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U. S. Department of Agriculture.

Catalogue  
"Sterling Quality" Seeds  
1932



*A corner of the beautiful garden of  
John Calvin Stevens  
Portland, Maine*

ALLEN, STERLING & LOTHROP

*49 Exchange Street - 64 Market Street  
Portland, Maine.*

Vegetable  
Seed Trials

Vegetable Seed Trials  
FEB 29 1932



## Information and Suggestions to Customers

### Free Delivery

We deliver "Sterling Quality" flower and vegetable seeds *free* to any address in the United States when purchased by the *packet, ounce, half pound and pound* excepting peas, beans and corn. Kindly add sufficient amount to cover postage on these items.

### Orders

Should be written on our order sheet or on a blank sheet separate from letter, preferably in ink. *Be sure to sign your name and give your address.*

### Telephone Orders

Will be given immediate attention. Call Portland: Forest 624 or Forest 625.

### Non-Warranty

We give no warranty, express or implied, as to quality, description, productiveness, or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop.

ALLEN STERLING & LOTHROP

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## Our New Shrubbery Department

We have recently been appointed local agents for the well known Cherry Hill Nurseries located at West Newbury, Mass.

Before undertaking any large planting, arrange with us for the services of a landscape engineer from the Cherry Hill Nurseries. He will gladly submit a plan with recommendations and cost estimate—or, you may desire just a few trees, either ornamental or fruit, and a few shrubs—let us order them for you; we know you will be pleased with the stock.

Send to us for special 1932 Cherry Hill Nurseries Catalogue.



*Try to visualize this beautiful picture without trees and shrubs!*





# 1932 Catalogue of "Sterling Quality" Seeds

Garden, Field, Flower and Lawn

*To Our Customers and Friends:—*

## OUR AIMS AND AMBITIONS

In presenting our 1932 catalogue we wish, first, to thank you for your ever increasing purchases of our own brand of "Sterling Quality" Seeds.

"Sterling Quality" Seeds, both Vegetable and Flower, are grown especially for us under contract by the most reliable growers in this country and abroad and are particularly adapted to the soil and climatic conditions of northern New England.

We are justly proud of the enviable reputation of our "Sterling Quality" Vegetable Seeds especially among the successful farmer, particular market gardener and the private estate trade. We shall now introduce from season to season new and improved varieties as they come to us from our growers after thorough trial and assurances of real merit. These new varieties you will always find listed as "A. S. & L." Imperator.

In our Flower Seed Department, too, we have a great ambition! To supply you right here in Portland not only with all the old favorite flower seeds—but also with the new varieties which are so popular among garden clubs and amateur flower growers. You will find many new items in our Flower Seed Department this year, including desirable Rock Garden varieties, but if you do not find listed some items you desire, let us procure them for you—we have almost immediate service from the great flower seed centers.

We approach the 1932 season full of optimism that this will be a "surprise year" agriculturally for this section of New England. We solicit your orders pledging ourselves to give you prompt and efficient service.

ALLEN, STERLING & LOTHROP

EMERSON D. PILLSBURY, *President*

HARRY W. LOTHROP, *Treasurer*



TRADE MARK



# 3 GET CROPS TO MARKET.. WEEKS EARLIER

...For Higher Prices!



These "Miniature Hothouses" Protect Plants From Frost and Storms

## HOTCAP PRICES:

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 250 Trial Package, including Garden Setter with Tamper, \$4.00; Germaco Hotkap Steel Setter with Tamper, \$2.50; postage extra.

Germaco

# Hotkaps

GERMACO HOTKAPS — "individual hothouses for every plant" — are made of waxed paper in the form of a cone which completely covers the plants — the ONLY WAY to fully protect them from frost. HOTKAPS also protect against rain, wind, ground-crusting, and insects — your assurance of faster-growing, hardier plants, with larger yields and greater profits, because you market earlier.

## Plan Now

*to surround your garden  
with this lovely French fence*

DUBOIS is made in France from seasoned chestnut saplings, bound with copper-bearing wire. It cannot rust or warp. Wonderful at the shore to protect gardens from wind and sand.

Economical, easy to erect and lasts a lifetime without painting or other upkeep expense. Comes in 6 heights from 18 inches to 10 feet with gates to match.

Let us suggest how Dubois can beautify and protect your garden, lawn, laundry yard, or screen your estate from passing motor traffic. Ask us for illustrated catalog and an estimate.



# DUBOIS\*

## Woven Wood Fence

\*TRADE  
MARK





## DESCRIPTIVE GENERAL LIST

**"STERLING QUALITY" VEGETABLE SEEDS**

Note—We deliver postpaid to any post office within the U. S. vegetable seeds in packets, ounces, and pounds, except beans, corn, and peas. If these are desired by parcel post, add 7c for first pound, 1c for each additional pound.

**Asparagus Seed**

Sow the seeds thinly in April or May in rows one foot apart and one inch deep; when the plants are well up, thin to 3 or 4 inches apart in the rows.

One ounce will produce about 200 plants, 4 to 5 pounds to the acre.

**Washington.** A rust resistant variety of vigorous growth and excellent quality. The tips are tight and firm and do not open out until well out of the ground. Recommended for the home and market garden. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Asparagus Roots**

Plant in rows 3 feet apart and 1 foot in the rows, covering the plants about 6 inches.

The soil should be thoroughly manured and trenched, at least 2 feet.

We offer strong two year old roots grown from selected seed in the following varieties. (See description of seed.)

NOTE—As the Washington has proven to be the best variety produced, we are offering only this variety this season.

**Washington,** 100 roots, \$2.00. Postpaid, \$2.25.

Special quotations by the thousand.

**BEANS—Dwarf or Bush, Green Podded**

Plant in light, warm soil in the spring when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2 inches deep. Sow every two weeks for a succession. Cultivate frequently until they blossom but only when dry.

If wanted by Parcel post, add postage.

Two pounds will plant 100 feet of drill

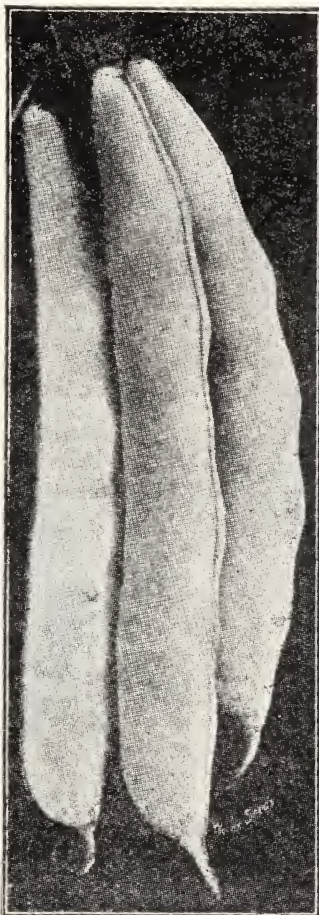
**BOUNTIFUL.** One of the most popular garden beans. Extra early and prolific, flat green pods, 6-7 in. long, very tender.

$\frac{1}{2}$  lb. 20c., lb. 35c., 2 lbs. 60c.,

**Burpee's Stringless Green Pod.**

Combines unusual hardiness, extreme earliness and wonderful productiveness. The pods are tender, brittle and of the finest flavor; always entirely stringless.

$\frac{1}{2}$  lb. 20c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.



SURE CROP STRINGLESS WAX

**Burpee's Improved Bush Lima.**

Compared with Burpee's Bush Lima, both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick and ready to market eight to ten days earlier.

$\frac{1}{2}$  lb. 20c., lb. 40c., 2 lbs. 75c., 15 lbs. \$3.75.

**FRENCH'S DWARF HORTICULTURAL.** This is a bean of the Horticultural type.

Pods remarkably large, many containing seven beans, beautifully splashed with bright crimson. Never spots or rusts. The vines are vigorous and productive, inclined to send out runners, which do not effect the bean in any way. Very popular with market gardeners.

$\frac{1}{2}$  lb. 20c., lb. 35c., 2 lbs. 70c., 15 lbs. \$3.75.

**Low's Champion.** Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry.

$\frac{1}{2}$  lb. 20c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.



## BEANS—Dwarf or Bush, Green Podded (ct'd)

**Refugee or 1000 to 1.** The pods are fleshy and remarkably solid. They are brittle in texture and mild in flavor, but have slight strings. The pods measure from 5 to 5½ inches in length. The flavor is good.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Broad Windsor.** (English.) Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart in drills 3 feet apart, cover the seed about 4 inches.

½ lb. 20c., 1 lb. 40c., 2 lbs. 75c.

**Red Kidney.** Fine for baking and a good shell bean.

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.25.

**Snowflake Pea.** The best small white pea bean, early and productive.

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.00.

**Yellow-Eyed (Old-fashioned).** Very productive. Fine for baking, extensively grown as a dry bean for winter use.

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.25.

**Yellow-Eyed (Improved).**

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.25.



(New) "A. S. L." IMPERATOR

## BEANS – Dwarf or Bush, Wax Podded

**Black Wax, Pencil Pod.** Pods are long, pencil like, tender and brittle. In color they are a rich, dark yellow, hardy and productive.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Burpee's Kidney Wax.** An early and very productive variety, pods are entirely stringless and of fine quality. Free from blight and rust.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Improved Golden Wax.** An early, hardy variety, flat, golden-yellow pods.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Sure Crop Stringless Wax.** A wax-podded variety of remarkable growth and productiveness. Plants hardy and prolific; pods 7½ inches long and about ½ inch wide, of a rich yellow color, perfectly stringless, excellent for home and market gardens.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

## BEANS—Pole

Plant in hills 4 feet apart, 4 to 5 beans to a hill. Poles should be firmly set before planting.

**(New) "A. S. & L." Emperor.** A wonderful pole bean for this climate, maturing early yet enjoying a very long season. It is very prolific—pods exceedingly tender and free from strings. An excellent snap or shell bean too. Really no garden should be without, at least, a few poles of A. S. & L. Emperor Beans.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c.

**Horticultural or Speckled Cranberry.** An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c.

**Kentucky Wonder, or Old Homestead.** A long, green podded variety, very prolific and of fine quality and perfectly stringless.

½ lb. 20c., 1 lb. 25c., 2 lbs. 60c.

**Kentucky Wonder Wax.** The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod."

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c.

**Lazy Wife's.** Beans white; pods green, very thick, meaty, entirely stringless; very productive.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c.

**Red Cranberry.** The pods are green, large and tender; one of the best snap beans.

½ lb. 20c., 1 lb. 40c., 2 lbs. 70c.

**Cedar Bean Poles**  
**\$1.00 per doz.**





## BEET

Sow as early in the spring as the ground can be worked in drills 15 inches apart and cover one inch. When well up thin out 4 inches apart in the rows.

*One ounce to fifty feet of drill; six pounds to the acre.*

Our Best seed is grown under the most critical supervision and is most desirable for market gardeners.

**EARLY WONDER.** A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity.

Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Crosby's Egyptian.** The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermilion red, zoned with a lighter shade, very sweet, tender and of excellent quality.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Detroit Dark Red.** The best beet for the market and home garden. Tops small, upright in growth. Root medium-sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality.

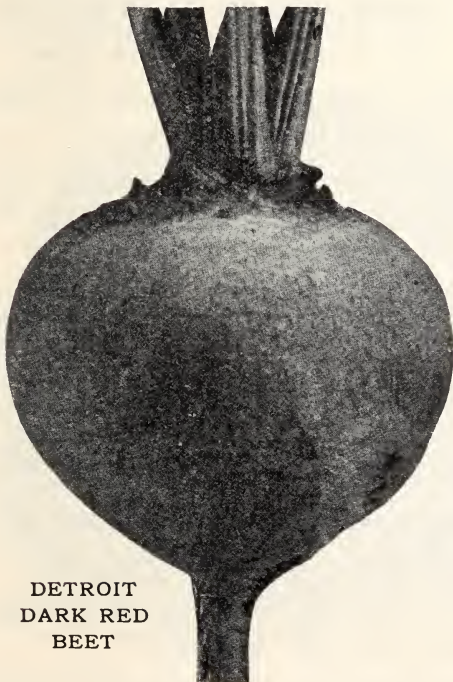
Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Edmand's Blood Turnip.** A medium early sort, deep red, popular with market gardeners. Our seed is grown from selected roots saved for seed.

Pkt. 10c., oz. 15c., 2 oz. 25c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.

**Long Smooth Blood.** Growing a large dark red leaf—very desirable for greens.

1 oz. 10c., 4 oz. 25c., lb. 50c.



DETROIT  
DARK RED  
BEET

## MANGEL WURZEL AND SUGAR BEET

Sow in drills 2 inches deep, about 2 feet apart, thin out to 10 inches apart. *Six pounds to the acre.*

**Mammoth Long Red.** This variety produces roots of mammoth size and is enormously productive. Yielding from thirty to forty tons per acre on well prepared land.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c., 5 lbs. \$2.50.

**Golden Tankard.**

Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c., 5 lbs. \$2.50.

**Giant Feeding Sugar Beet or Half Sugar Mangel.**

A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light bronze green above ground, grayish white below with white flesh.

Oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.



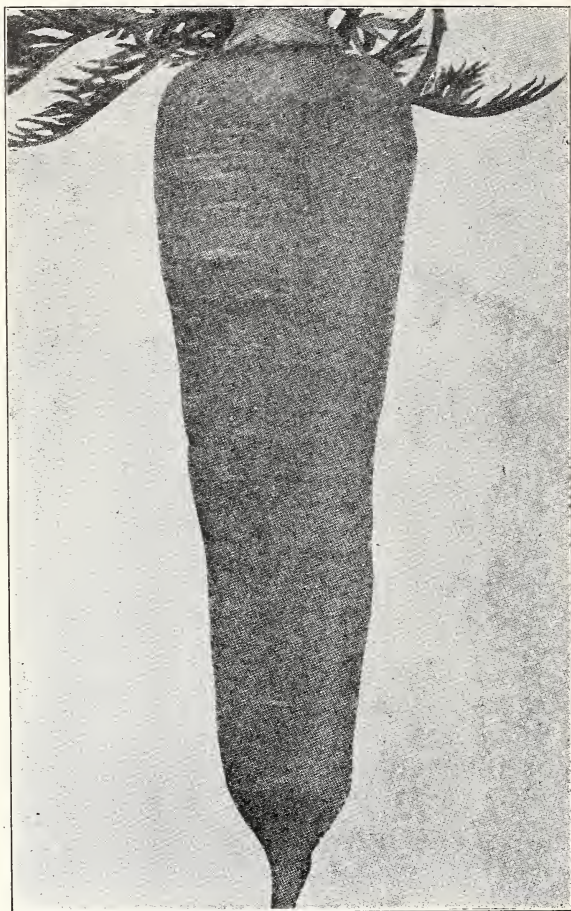
GIANT FEEDING SUGAR BEET, OR  
HALF SUGAR MANGEL

## Swiss Chard or Spinach Beet

The leaves are used as greens and served like spinach. The mid-ribs may be cooked like asparagus. Cuttings may be used all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

**Lucullus.** The largest and best.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.



DANVERS' HALF LONG CARROT

## Brussels Sprouts

Cultivate the same as cabbage. The sprouts resemble miniature cabbage and are very tender.

**Improved Dwarf.** A standard sort.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Improved Long Island.** The finest variety, very compact sprouts.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50

## Broccoli

A vegetable much resembling cauliflower.

**White Cape.** The most desirable variety.

Pkt. 10c., oz. 60c.

**Special Italian.** Heads compact, of a good size, and most certain to head.

Pkt. 20c., oz. \$3.00.

## Chervil

An aromatic sweet herb used for flavoring and garnishing.

**Curled.** Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c.

## CARROT

Carrots do best in a good, light and rich soil. Sow in April or May for the early crop, and for the main crop sow in May or June in drills about  $\frac{1}{2}$  inch deep, in rows 14 inches apart, and thin plants to 3 or 4 inches in the rows.

*One ounce to 100 feet of drill; four pounds to an acre.*

### (New) "A. S. L." IMPERATOR

Outstanding both as to bunching and busheling; has medium top growth; root 7 to 9 inches long; is slightly cylindrical in shape; has a very smooth surface and tapering shoulders. Its color is deep orange both inside and outside, and has a very indistinct core. Superior in appearance, quality and flavor.

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Danvers' Half-Long.** The best sort for the main crop, dark orange color, growing very smooth, yielding large crops, and is a splendid keeper; roots medium length, tapering uniformly to a blunt point.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Hutchinson.** A carrot of great length and cylindrical shape almost to the point, grows with tops slightly out of ground, a very heavy yielder per acre. Small circle of green on top of root out of ground portion.

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Chantenay.** A medium early, half-long variety. The flesh is crisp and tender.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Improved Long Orange.** Deep orange color, roots of large size and good keeper.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Guerande or Oxheart.** Medium early roots, short and thick. The flesh is bright orange, fine grained and tender.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Nantes Half-Long Scarlet.** A stump-rooted variety. Flesh fine grained, mild and sweet.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## Cress or Peppergrass

Sow early in the spring on rich soil in drills 10 or 12 inches apart and make frequent sowing every two weeks. Cover seed about  $\frac{1}{4}$  inch.

**Extra Curled.** Fine flavor, may be cut several times.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**Water Cress.** Sow in the spring near the margin of ponds or running streams.

Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.





## CABBAGE

The cabbage is an important crop and should be planted in fresh, rich soil, well manured and deeply dug or plowed. For early use sow in a hotbed in March, transplant to the open ground when danger from frost is past. Plant the early sorts about 18 inches in the rows and the late sorts about 2 feet in the rows and the rows about 3 feet apart. For the late crops sow in the open ground in June. Our cabbage seed is grown from selected stock and is equal to any offered in the market.

*One ounce will produce about 2,000 plants.*

### EXTRA EARLY COPENHAGEN MARKET.

An extra early variety; heads ball-shaped, large and solid, averaging in weight about 10 pounds. The most evenly-maturing and large heading early cabbage.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Early Jersey Wakefield.** A standard early market variety, conical in shape and good quality; heads uniform and solid.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

### "A. S. & L."

### CAPE ELIZABETH

Selected seed grown for us at Cape Elizabeth, Maine—a section noted throughout the country for the excellency of its cabbage.

Heads hard, solid, tender and crisp. It is remarkable for its long-keeping qualities. One of the best shipping varieties.

Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.



COPENHAGEN MARKET CABBAGE

**All Seasons.** Large heads, round and very solid and sure heading; nearly as early as the Early Summer.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

### DANISH BALL HEAD.

This variety produces large, round and compact heads. One of the best keepers; plants vigorous and hardy, resisting cold and dry weather.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

**Improved American Savoy.** Large, solid round heads, of superior quality, tender and good flavor, the best variety for family use.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**Pe-Tsai, or Chinese Cabbage.** A quick growing plant resembling Cos Lettuce.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

### Red Danish Stone Head.

One of the largest and most solid and compact of the red varieties, sure heading and tender.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.



DANISH BALL HEAD CABBAGE





## CAULIFLOWER

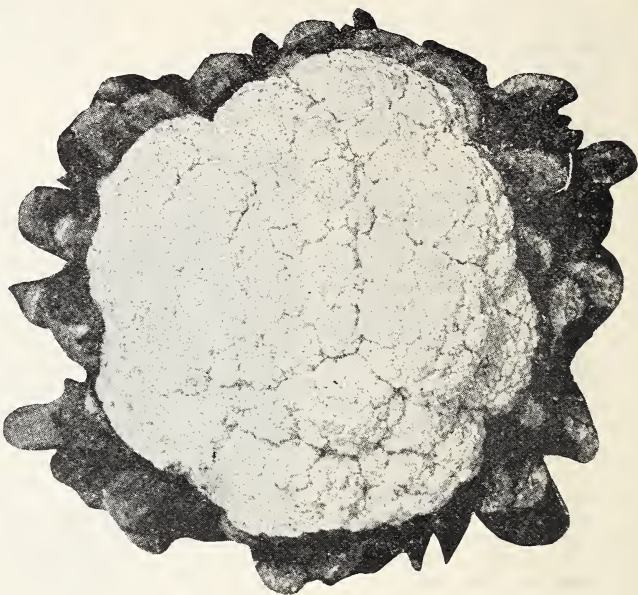
The soil that will grow cabbage will grow cauliflower. It should be made richer and thoroughly worked before planting. For early crop, sow seed in hotbed or in boxes about six weeks before time to plant out. Transplant early in spring in rows 3 feet apart and 18 inches in the row. Plants should be cultivated often to be kept growing continuously. For the late cauliflower, plant in the open ground in June and transplant in July.

*One ounce will produce 2,000 plants.*

**Earliest Dwarf Snowball.** The earliest cauliflower in cultivation, absolutely sure to head when conditions are ordinarily favorable. Plants are very dwarf and of compact growth, with large firm, snow-white heads. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.50.

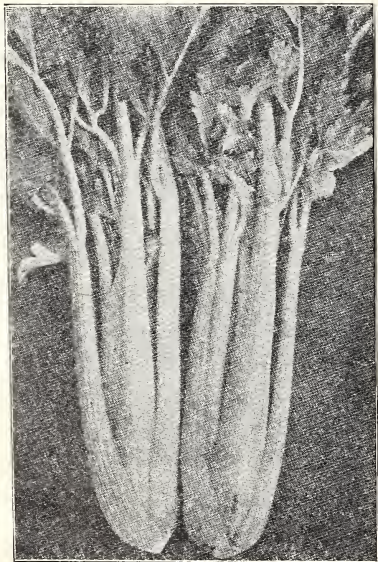
**Danish Giant or Dry Weather.** This variety is about two weeks later than the Snowball. It is of dwarf growth, producing large hard and snow-white heads, fully protected by its foliage.

Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.75.



## CELERY

For early celery sow the seed of the self-blanching sorts in a hotbed early in the spring. As soon as the plants are 3 inches high, transplant into frames in well-enriched soil 4 inches apart. Cut them once or twice before setting them out in May or June to make them stocky. When about six inches high transplant into trenches wide enough to hold two rows. The rows should be about 1 foot apart and the plants set about 8 inches apart. For winter celery start the seeds in flats as for early, only a little later. As plants grow they should be earthed up to blanch, taking care not to cover the center of the plant.



**GOLDEN SELF-BLANCHING**

**Wonderful.** This new variety of Celery, rightly named Wonderful, is of the Paris Golden family, but twice to three times its size, very fine quality, and very free from the stringy habit of the Old Golden.

Pkt. 15c., oz. \$1.50,  $\frac{1}{4}$  lb. \$5.00.

**Golden Self-Blanching.** (French grown, special gardeners' strain.)

The finest early celery grown, easily blanched and of excellent flavor, solid and crisp.

Pkt. 10c.,  $\frac{1}{2}$  oz. 50c., 1 oz. 85c.,  $\frac{1}{4}$  lb. \$3.00.

**White Plume.** A desirable early variety requiring very little labor in blanching.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Giant Pascal.** The most satisfactory variety for Fall and Winter use. Grows rapidly and a wonderful keeper. The stalks are of medium height, thick and solid, blanching to a beautiful yellowish white color. Properly blanched and kept in good storage it remains solid, crisp and of a fine sweet flavor.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.





## SWEET CORN

Plant in hills 3 to 4 feet apart each way, dropping 6 seeds in each hill, or in drills 3 to 4 feet apart. The seeds should be covered about 2 inches. In this climate Sweet Corn should not be planted before the middle of May.

One pound will plant 100 hills.

If wanted by Parcel Post, add 7c for first pound, 1c for each additional pound.

### GOLDEN SUNSHINE

This variety is the earliest of all the yellow sorts, maturing fully ten days ahead of Golden Bantam. The ears are about 6 inches long, with 12 rows of large, sweet kernels. Invaluable for extra-early use.

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Whipple's Early Yellow.** This new variety has the flavor of the true Golden Bantam, and is earlier than many strains of corn bearing the name of Golden Bantam but which are not true to type.

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Burpee's Golden Bantam.** Early, hardy and of the most delicious flavor; being of a dwarf growth, the stalks can be grown closely together in the row.

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**DeLue's Golden Giant.** Nearly as early as Golden Bantam and of fine quality. Much larger ears, being from 12 to 16 rows of golden yellow.

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Bantam Evergreen.** A cross between Stowell's Evergreen and Golden Bantam. Kernels are plump and full. The quality is very fine, being exceedingly sweet and tender. Ears 5 to 7 inches long.

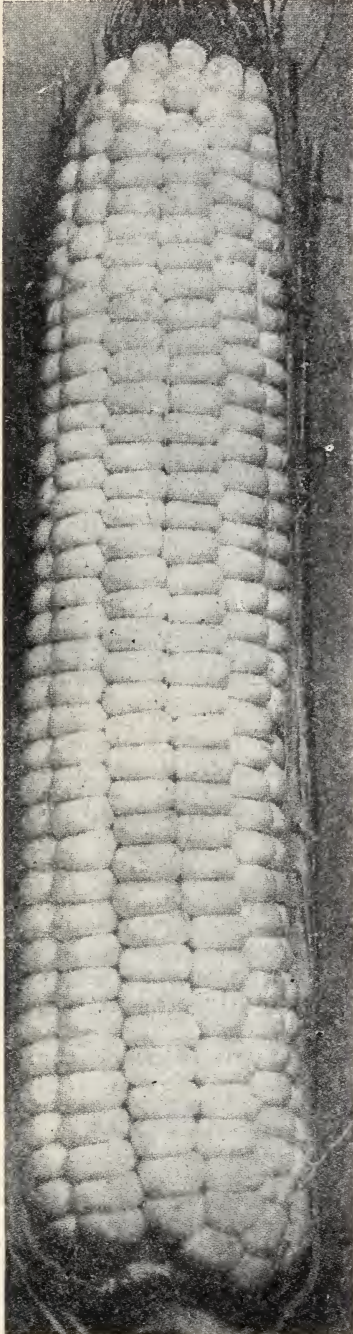
$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

**Early Crosby (Selected).** An early and productive variety; growing very dwarf with ears set low, averaging from 16 to 20 rows; very sweet and tender. Desirable for both the market and private garden.

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

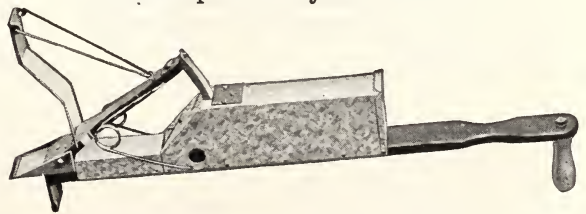
**Stowell's Evergreen.** A late standard sort of excellent quality

$\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.



GOLDEN SUNSHINE

### The Eclipse Rotary Corn Planter



Eclipses all others; has positive feed.

Four changes of discs. Eclipse is the easiest operating planter on the market.

Price, \$2.50



## CUCUMBER

For general crop plant when the ground has become warm, in hills 4 feet apart each way. Thin out to 4 plants to each hill after all danger of insects is over. For very early cucumbers sow about April 1st, in a hotbed on a piece of sod, grass side down so that they can be easily transplanted to the open ground when danger of frost is over.

*One ounce will plant fifty hills; two pounds will plant an acre.*



“A. S. & L.” IMPERATOR

(New) “A. S. & L.” Imperator—For forcing or outdoors. This wonderful cucumber is from 9 to 12 inches long, small seed cavity and holds its deep dark green color both on the vine and after picking.

Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**WOODS HYBRID.** The best type of slicing cucumber. The color, a rich dark green, is retained a long time after it is picked. The flesh is white, crisp and tender. It is early and prolific, and for home or market, it is a very superior cucumber.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Boston Pickling.** This variety is largely planted for pickles. Fruit medium size, smooth, light green and very productive.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Long Green.** An old standard variety. Fruit from 10 to 12 inches long, dark green and crisp.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Improved White Spine.** One of the most popular varieties in cultivation. The fruit is light green with white spines, uniform in size and very productive.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**West India Gherkin.** A small prickly variety grown only for pickles.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Early Cluster.** An early sort growing in clusters.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Davis Perfect.** For forcing or outdoors. The fruit is of fine form, of a rich dark green color, very few seeds, tender, brittle and of fine flavor.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.





## DANDELION

One of the earliest and most popular of spring greens. Sow in May in drills 12 inches apart; cover the seed  $\frac{1}{4}$  of an inch deep. The following spring the plants will be ready for cutting.

*One ounce for 200 feet of drill.*

**Improved Thick-Leaved.** A carefully selected strain; popular with market gardeners.

Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

## EGG PLANT

Sow the seeds in hotbeds very early in the spring and transplant when about three inches high into small pots or another hotbed. Do not plant out in the open ground until the weather has become warm and settled.

*One ounce will produce about 1,000 plants.*

**New York Improved Purple.** This variety produces fruit of large size, nearly round, dark purple and excellent quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Black Beauty.** A valuable early sort, about ten days earlier than the New York Improved; color a rich purplish black.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

## ENDIVE

For early use sow as early in the spring as the ground can be worked in drills 15 inches apart. Transplant to 1 foot each way. When full grown tie the outer leaves at the top to blanch them.

*One ounce will produce 2,000 plants.*

**Green Curled.** A standard sort for fall and winter.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Broad-Leaved Batavian.** A variety growing very compact, very tender and of fine flavor.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**French Endive (Witloof Chicory).** Plant the seed in drills 10 inches apart, in deep, rich soil. Thin to six inches apart. One of the finest winter salads grown.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

## KALE

Sow from May to June, broadcast or in drills, cover  $\frac{1}{2}$  inch, cultivate the same as cabbage.

*One ounce to 150 feet of drill.*

**Dwarf Green Curled Scotch.** A fine, low-growing variety, the leaves densely crimped and curled; very hardy and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

## KOHL RABI

Seeds should be sown in drills as early in the spring as possible. When well established thin to 6 inches apart. The bulb grows entirely out of the ground.

**Early White Vienna.** A very early sort, excellent quality flesh white and tender.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Early Purple Vienna.** Similar to the above except in color.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

## LETTUCE

For summer use the seed can be sown in hotbeds in March. Transplant when the weather will permit in rows 12 inches apart and 8 inches apart in the rows. For a succession sow in the open ground every two weeks until fall. Lettuce requires a rich and a rather moist soil. The more rapid the growth, the better the quality.

*One ounce of seed will produce about 3,000 plants.*

**Big Boston.** Fine for forcing or open-ground planting; large, solid heads.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Black Seeded Tennis Ball** (Market Gardener's Private Stock). A strain of Black-Seeded Tennis Ball, very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.

**Boston Curled.** Leaves beautifully curled, very attractive on table.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Crisp as Ice.** Large, solid heads, yellow heart, outside dark green and bronze.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Grand Rapids.** A very popular variety, leaves crimped, vary attractive, matures quickly; the heads are dark green, very crisp and tender.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Hanson.** A large, solid variety.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Iceberg.** A very superior solid heading variety for out-door growing. Makes large, solid heads.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Mammoth Black-Seeded Butter.** The solid heads are of immense size, with light green colored outer leaves which bleach to a beautiful light yellow solid heart, plants often growing 12 inches in diameter. Quality excellent, mild, delicate, sweet, buttery flavor and of soft texture. Excellent home or market gardener's sort.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**May King.** Large, round, solid heads, one of the best varieties for planting in open ground.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**New York or Wonderful.** The largest head lettuce, crisp and tender.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.

**Paris White Cos.** An early sort with long, narrow leaves.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

## LEEK

Plant in the spring in a light, well-enriched soil in drills 1 foot apart. Cover the seed about 1 inch and thin to 9 inches apart in the drills. Draw earth up to them as they grow.

*One ounce of seed to 150 feet of drill.*

**American Broad Flag.** A strong-growing sort with broad leaves.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.



## MUSK MELON

Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

*One ounce to 60 hills; two or three pounds to an acre.*

**"A. S. & L."** A very large variety, thickly netted, deeply ribbed, flesh salmon-yellow, thick and sweet. A great yielder. It ripens from 70 to 80 days from time of planting.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Bender's Surprise.** The Melons are of large size, nearly round, and present a fine attractive appearance. The skin is lightly netted, of a pale green when ripe and the flesh a rich, deep orange color, fine grained with a very small seed cavity and of remarkable sweetness and spicy flavor.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Emerald Gem.** Fruit of medium size, very early and of fine flavor; flesh deep orange.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Long Yellow.** Very large, slightly ribbed and thickly netted; flesh salmon-yellow and sweet.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Rocky Ford.** A popular market variety. The fruit is oval, medium size, finely netted; flesh light green and very sweet.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Honey Dew.** A medium sized melon 5 to 6 pounds in weight, about 6 inches diameter and slightly oblong. Thick flesh, light emerald green in color.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

## WATER MELON

Plant in hills about 8 feet apart and cultivate the same as for Musk Melon.

*One ounce for 30 hills; four pounds for one acre.*

**Cole's Early.** One of the best early varieties, medium size, nearly round, flesh dark red and excellent quality.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Citron.** Used for preserves; white flesh, hardy and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Kleckley Sweet.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early.

Pkt. 10c., 15c. per oz.;  $\frac{1}{4}$  lb. 50c.

## MUSTARD

Sow thickly in early spring in shallow drills or in boxes during the winter. Successive sowing may be made every ten days.

*One ounce will sow about 75 feet of drill.*

**Chinese.** Leaves twice the size of the ordinary White Mustard, which are curled and eaten boiled like spinach.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., 1 lb. 75c.

**White London.** The best for salads and flavoring.

Pkt. 10c., oz. 15c., lb. 50c.

## ONION

Sow the seeds as early in the spring as the ground can be worked in drills about 1 foot apart and cover about  $\frac{1}{2}$  inch. Thin plants to stand from 2 to 3 inches apart in the drills. The soil should be made very rich and kept free from weeds.

*One ounce to 100 feet of drill; five pounds to the acre.*

**Danvers Yellow Globe.** The most profitable variety to grow, producing bulbs of globular form which ripen early and uniformly, producing large crops. The seed we offer was grown in New England from selected bulbs by a reliable grower of long experience. We cannot recommend this strain of seed too highly, not only on account of its great yield but also of its superior keeping qualities.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

**Large Red Wethersfield.** The standard red, flat variety, large size, skin deep purplish red, a good keeper.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

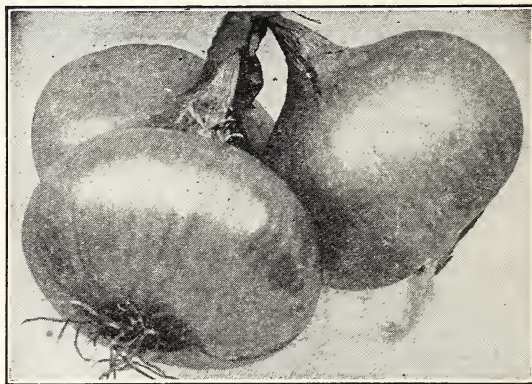
**Prizetaker.** The largest yellow onion, flesh white and of mild flavor.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

**White Portugal.** One of the best white sorts; bulbs mature early, very mild flavor, the best to grow for sets.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

## ONION SETS



Japanese Onions—From Sets

(Recleaned). Onion Sets should be planted as early in the spring as the ground is dry enough to work, in rows 12 inches apart and 2 to 4 inches apart in the rows.

If sent by mail add postage. See table, front cover.

**Japanese Onion Sets.** This onion will actually double the yield of any other onion set on the market. If the sets are planted early in the spring the onions will be ripe in July and can be used all through the fall and winter. It throws few seed stalks, is an excellent keeper and the flavor is mild and sweet.

Qt. (1 lb.) 30c., pk. (8 lbs.) \$1.75.





## PARSLEY

Soak the seeds a few hours in lukewarm water and sow early in the spring in rich soil in drills one foot apart, thin out the plants to 4 inches apart in the rows.

*One ounce to 150 feet of drill.*

**Double Curled or Covent Garden.** One of the best sorts, handsome bright green color; leaves finely crimped and curly.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

**Plain or Single.** A fine strain, very dark green.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

**Hamburg or Turnip-Rooted.** The roots resemble a small parsnip; used for flavoring soups, etc.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

## PARSNIP

Sow as early in the spring as the weather will permit in deep, rich soil in drills 18 inches apart, covering the seed slightly; thin to 5 or 6 inches apart in the rows.

*One ounce to 100 feet of drill; five pounds to the acre.*

**White Model.** A highly improved type producing uniformly large and handsome roots of stocky form, heavy at the shoulder, well rounded, gradually tapering to the base. Flesh white, of fine texture, free from core and stringiness; fine flavored. Cooks tender; sweet and rich; enormously productive and exceptionally smooth. Matures in 100 days.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

## PEPPER

Sow the seed in hotbeds early in April. Transplant when 2 or 3 inches high to 3 inches apart. Transplant to the open ground about the first of June, in rows 2 feet apart and 18 inches apart in the rows. The soil should be rich and mellow.

*One ounce will produce about 2,000 plants.*

**Large Bell or Bull Nose.** Large and of mild flavor, largely used for pickling.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.

**Long Red Cayenne.** Bright red, long, slender pods, very pungent.

Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**Pimento.** A very thick fleshed sweet variety, uniform in shape and size. Color dark green changing to a brilliant red. Very desirable for salads on account of its fine flavor and superior quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.,  $\frac{1}{4}$  lb. \$1.25.

**Squash or Tomato-Shaped.** Fruit medium size, early and productive.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Sweet Italian.** A superb variety of exceedingly mild flavor. Grows 6 to 7 inches in length and 2 to 3 inches thick at the base. Very attractive in appearance. The fruit is light green, turning bright scarlet.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

## SEED POTATOES

*Eight to ten bushels will plant one acre.*

*One peck will plant 75 hills.*

Potatoes are sent by express or freight, purchaser paying charges.

We offer particularly fine strains of certified Irish Cobbler and Green Mountain Seed Potatoes.

Write for prices.



SEMESAN BEL (see page 20)

## PUMPKIN

Same cultivation as for squash.

*One ounce will plant 20 hills; one pound will plant 250 hills.*

**Connecticut Field.** Very productive, usually grown in fields with corn for feeding stock.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**King of the Mammoths.** The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Small Sugar.** Very sweet and fine grained, a good keeper, best sort for family use.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## SALSIFY

(Vegetable Oyster)

One of the most delicious and nutritious of vegetables.

Sow early in the spring in drills 14 inches apart and 1 inch deep. Cultivate the same as for carrots and parsnips. They can be left in the ground until spring.

*One ounce to 50 feet of drill.*

**Mammoth Sandwich Island.** This variety grows to a large size and is superior in quality to the Long White. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.





## GARDEN PEAS

Sow the early, smooth, round sorts as early in the spring as the ground can be worked, in light, dry rich, loamy soil. The wrinkled varieties are more tender and the seed is more liable to rot and should not be planted when the ground is cold and wet. The late varieties do not require as rich soil as the early and dwarf sizes. Sow in rows 3 to 4 feet apart and about 1 inch apart in the rows, 3 to 4 inches deep. Peas grown as a market crop are never staked, but when the taller sorts are grown for private use they are generally sown in double rows, 6 to 8 inches apart, and staked with brush. For best results all garden peas require good, strong, fertile soil.

One pound will plant about 50 feet of drill.

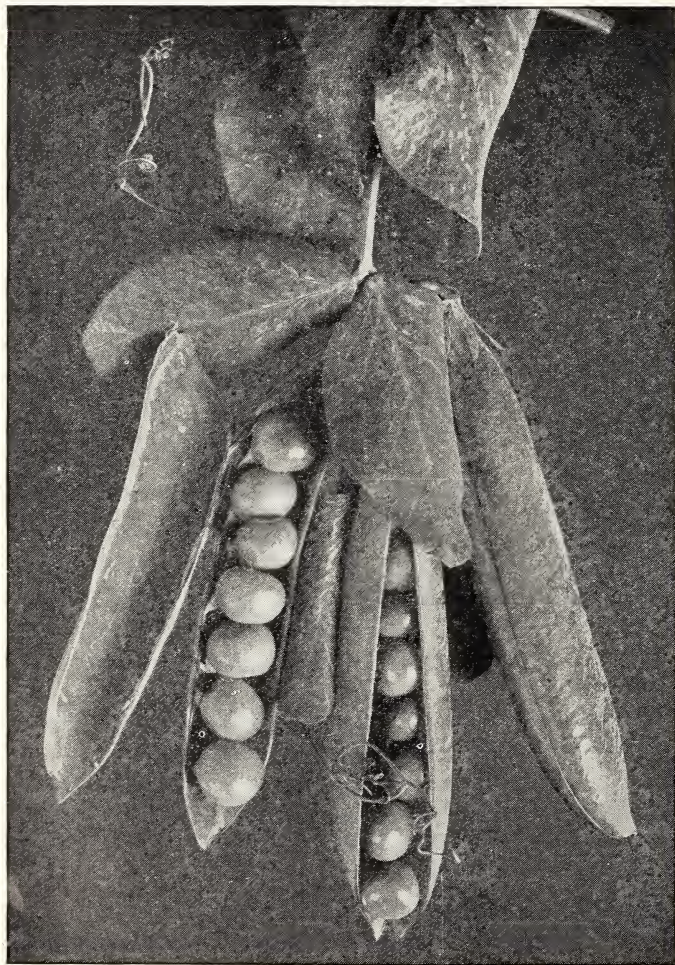
If wanted by Parcel Post, add postage — 7c for first pound, 1c for each additional pound.

**Early Eight Weeks.** One of the earliest dwarf Peas in cultivation, maturing in advance of the standard varieties. The plant attains a height of about 1½ feet, producing pods in great abundance.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Gradus or Prosperity.** The earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to 4½ inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.



GRADUS PEAS

**Laxtonian.** One of the most remarkable varieties yet introduced; very dwarf, growing only 12 to 15 inches high, producing pods in great abundance; nearly as large as the Telephone. The peas are large with a flavor the very sweetest and best.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$2.00, 14 lbs. \$4.00.

**Early Morn.** Of Gradus type, the pods are large and well filled with peas of excellent flavor; height 3 feet.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Little Marvel.** A dwarf variety of even growth, about 18 inches in height; pods dark green, medium size, often produced in pairs; as early as Nott's Excelsior, equal in flavor and more prolific.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Nott's Excelsior.** A splendid early sort; pods are always well filled with large peas of delicious flavor. Height 15 inches.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Sutton's Excelsior.** As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height 1½ feet.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Thomas Laxton.** Similar to Gradus. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Burpee's "Blue Bantam."** An extra early variety of the finest quality. The vines average fifteen inches in height. The pods average nearly as large as the Gradus.

½ lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.





# GARDEN PEAS

## MEDIUM AND LATE VARIETIES

**ONWARD.** A very distinct and valuable new mid-season variety, coming in just ahead of Telephone. A heavy cropping pea, 3 feet in height, with vigorous, strong, medium-green foliage. Pods are 4 inches long, large, broad, straight and blunt ended, deep green in color containing 6 to 8 deep green sweet peas. Decidedly the best pea of recent introduction.  
 $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone, bearing heavy pods, about  $4\frac{1}{2}$  inches long, height 2 feet.  
 $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Everbearing..** Very prolific, pods about 3 inches long, peas large and of good quality; height  $2\frac{1}{2}$  feet.  
 $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Carter's Quite Content.** The largest-podded variety yet introduced, vines and pods deep green, pairs and contain 9 to 11 large peas of excellent pods 7 to  $7\frac{1}{2}$  inches long, hanging mostly in flavor; recommended for the market or private garden; a large cropper; height 3 to 4 feet.  
 $\frac{1}{2}$  lb. 25c., 1 lb. 45c., 2 lbs. 80c., 7 lbs. \$2.60, 14 lbs. \$5.00.

**Admiral Dewey.** One of the finest and most desirable of the large-podded varieties. The vines are of vigorous growth; the pods are always of good size well fitted with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet.  
 $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Improved Telephone.** An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark-green pods containing peas of fine flavor, height 4 feet.  
 $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

## YOUR GARDEN PEAS, BEANS & SWEET PEAS

need more than sun and water

### INOCULATE!

Before planting, apply a fresh bacteria fertilizer to the seed.

Price 25c

one can enough for  
from 1 oz. to 8 lbs.  
seed

*Produces bigger and better quality crops*

Develops rich, beautiful sweet peas



# RADISH

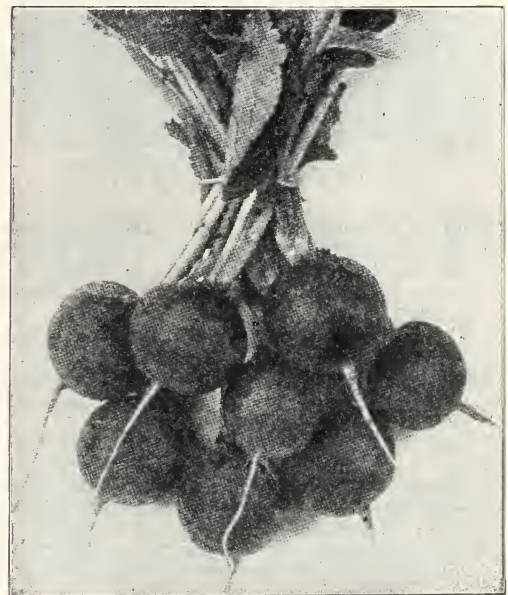
The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground as soon as the ground can be worked in rows 8 to 12 inches apart  $\frac{1}{2}$  inch deep. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

*One ounce for 100 feet of drill.*

**Crimson Giant.** An extra early, turnip-shaped variety, growing very large yet never pithy, always hard and solid; good for forcing and equally as good if grown in the open ground.  
 Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Early Scarlet White-Tipped.** Small, round, red, short tops, crisp and tender.  
 Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Scarlet Globe.** One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender.  
 Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



SCARLET GLOBE RADISH

**French Breakfast.** Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender.  
 Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.

**White Stuttgart.** A turnip shaped, white radish, growing to large size; fine quality.  
 Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

"Sterling Quality" Seeds are the highest grade obtainable and intended for the particular market gardener, florist and individual.

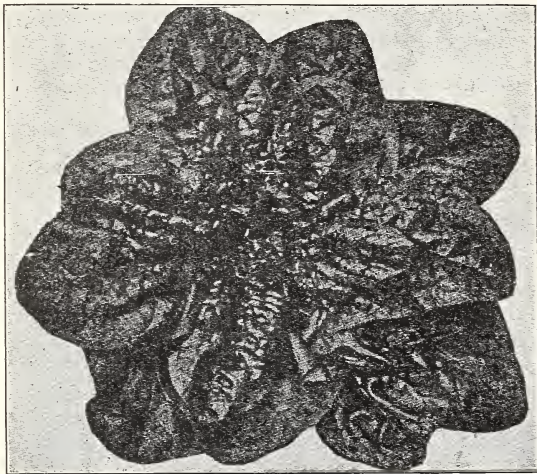
**SEND US YOUR MAIL ORDERS**



## SPINACH

Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks. For winter and early spring use, sow in August; cover with straw on the approach of severe cold weather.

*One ounce to 50 feet of drill; ten to twelve pounds to the acre.*



KING OF DENMARK SPINACH

**King of Denmark.** The leaves are dark green, very thick and crumpled, and of good quality. Remains in good condition two or three weeks longer than any other variety before running to seed.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Round Thick-Leaved.** A large, dark-green, thick-leaved variety; stands a long time before running to seed.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Princess Juliana.** A spinach of the long season type, but leaves are more crumpled, of a darker green color. Good size, thick and of good quality. Will stand two weeks longer than most other sorts before bolting to seed. Matures in about 50 days.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Bloomsdale.** A very hardy variety; large thick, crumpled leaves, a favorite with Market Gardeners. The best for early spring or fall.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Prickly or Winter.** The hardiest variety for fall planting.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**New Zealand.** A plant of branching habits which stands drought. Soak the seeds in warm water before planting. Plants should not be closer than 2 feet apart each way.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.00.

## SQUASH

Squash are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 feet apart and the running varieties about 8 feet.

*Bush varieties, one ounce to 40 hills; running varieties, one ounce to 15 hills, three to four pounds per acre.*

**Early Giant Summer Straightneck.** A desirable table sort, of dwarf, bushy habit, and very productive; the flesh is thick, yellow and of fine quality. One of the best market varieties. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Mammoth White Bush Scallop.** Pure white, producing large, thick fruit of fine flavor, early and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.

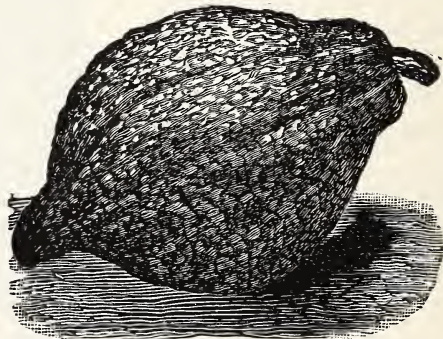
**Delicious.** Fine grained, sweet and dry, no other squash can equal it in sweetness and richness of flavor. In shape and color it is similar to the Hubbard. Weighs from five to ten pounds. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Boston Marrow.** A standard fall variety of a bright yellow color, an excellent sort for pies and largely used by canners.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Hubbard (Cape Elizabeth grown).** The standard winter squash, more largely grown than any other late variety, dark green skin and rich flesh, an excellent keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



HUBBARD SQUASH

**Golden Hubbard.** Same type as the Green Hubbard but of rich orange red color and earlier to mature.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Blue Hubbard.** Flesh fine-grained, dry and of excellent flavor, a good keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Italian Vegetable Marrow.** Oblong, skin dark green at first, but changes to a lighter green as it matures. Excellent quality.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.





## TOMATO

Sow the seeds about the first week in March in a hotbed, greenhouse or in shallow boxes in a window. When the plants are about three inches high transplant to cold frames, setting the plants about 4 inches apart or in pots singly. Transplant to the open ground when all danger of frost is past. Set in rows 4 feet apart each way, using a shovelful of rotten manure in each hill.

*One ounce will produce about 1,500 plants.*

**Our Tomato Seeds are grown from selected Stocks.**

**Break O'Day.** A new and extremely important tomato developed by the United States Department of Agriculture, being a hybrid from Marglobe and Marvana. Our strain is the true Break O'Day, grown from seed from trial plots. The main feature of this variety is its earliness, for it is as early as Earliana and earlier than Bonny Best. As to shape it resembles Marglobe, being globe shaped but slightly thicker near the stem than at the blossom end. For an extra early tomato, we have never seen its equal.

Pkt. \$1.00; ½ oz. \$1.25, oz. \$2.00, ¼ lb. \$8.00, lb. \$25.00.

**"John Baer."** An extra early variety of superior merit. It produces perfect, solid high crown, beautiful, brilliant red tomatoes, is almost seedless, and has a mild, deliciously sweet flavor. Uniform in size and ripening. A valuable variety for the market or home garden. Pkt. 10c., ¼ oz. 20c., oz. 50c., ¼ lb. \$1.50.

**Abbotts Early Red.** A deep blood red variety. Foliage and vine medium. The fruit is smooth, uniform and of excellent flavor and quality. Pkt. 10c., ½ oz. 30c., oz. 50c.

**Earliana.** The best extra early variety. It is the earliest large tomato; color bright red, growing in clusters of medium size, smooth, solid, and of fine flavor; excellent for the market and home garden. Pkt. 10c., ½ oz. 20c., oz. 35c., ¼ lb. \$1.00.

**Bonny Best.** Early and prolific; fruit is smooth, round scarlet, of fine flavor. Pkt. 10c., ½ oz. 20c., oz. 35c., ¼ lb. \$1.00.

**Stone.** The most reliable of the main crop, very large, bright scarlet, smooth, solid and very productive; is a good shipper. Pkt. 10c., ½ oz. 20c., oz. 35c., ¼ lb. \$1.00.

**Marglobe.** Introduced by the New Jersey State Department of Agriculture. It is of fine appearance, perfect globe shape, and deep scarlet in color. Its spreading habit of growth enables it to bear large, perfectly shaped fruit, ripening well up to the stem. Pkt. 10c., ¼ oz. 20c., oz. 50c., ¼ lb. \$1.50.

**Red Cherry.** Pear shape scarlet fruit used for pickling. Pkt. 10c., ½ oz. 20c., oz. 35c.

**Yellow Cherry.** Bright yellow, best for preserving. Pkt. 10c., ½ oz. 20c., oz. 35c.

## TURNIP

Turnips do best in rich, light, sandy soil. For early use, sow in the spring as soon as the ground can be worked in drills 1 foot apart. Cover ½ inch deep. Thin plants to 6 inches apart. For a succession, sow every two weeks until August. Rutabagas are usually sown broadcast, but larger crops are obtained if the seed is sown in drills 18 inches apart and thinned until August. Sow from June to the middle of July.

*One ounce will sow 150 feet of drill; one to two pounds to an acre.*

**Early Purple Top Milan.** One of the earliest flat turnips; flesh solid and of good quality. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

**Purple Top White Globe.** An early variety, of superior quality, globe-shaped, white flesh, tender and sweet, one of the best for table use. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.00.

**White Egg.** A pure white, egg-shaped variety of rapid growth; flesh firm, sweet and mild. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.00.

**Purple Top Strap Leaf.** Fine grained, never stringy and of mild flavor. It is white below with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 55 days. Desirable for the home, garden or market. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.00.

## RUTABAGA

**Perfect Model.** An improved strain of the finest yellow-fleshed rutabaga, remarkable for uniform shape and fine quality, very sweet and tender and a good keeper. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.25.

**Millpond Purple Top Swede.** An imported strain of Purple Top Rutabaga, very smooth and uniform shape. Excellent keeper. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.25.

**Improved Long Island.** Undoubtedly one of the finest varieties of purple-top Rutabaga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.25.

## SWEET AND MEDICINAL HERBS

Sow in the spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distance or transplant; cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry.

Anise	Annual	Fennel	Sweet Perennial
Basil	Sweet Annual	Marjoram	Sweet Annual
Catnip	Perennial	Sage	Annual
Chervil	Annual	Summer Savory	Annual
Dill	Biennial	Thyme	Perennial

Any of the above 10c per pkt.



## FIELD CORN

*Plant eight to ten quarts per acre in hills, one to one and one-half bushels broadcast, one bushel in drills.*

### "A. S. & L. Special" Ensilage Corn

**"A. S. & L. SPECIAL" ENSILAGE CORN.** An early hybrid corn making large ears and an immense amount of foliage. This corn is grown especially for us by growers who have made an extensive study of ensilage corn so that we can highly recommend this variety, especially its milk producing qualities. It has been used extensively by our customers in this section the past two seasons and has given wonderful results.  $\frac{1}{4}$  Bu. \$1.25; Bu. \$4.00.

**EARLY EIGHT-ROWED YELLOW FLINT.** This corn is grown right here in Maine and is the earliest yellow variety we know. It matures in ninety days and the ears are long with small cob filled to the tip with large broad kernels. We cannot recommend this corn too highly for either Grain or Ensilage. Bu. \$4.00,  $\frac{1}{4}$  bu. \$1.25.

**GENUINE EUREKA ENSILAGE.** The corn that grows more ensilage to the acre than any other variety. It grows very tall, attaining a height of 12 to 15 feet and makes a heavy thick growth of fodder. Try this variety if you want the maximum tonnage. Price \$3.00 per bushel.

**IMPERIAL LEAMING.** A yellow Dent variety very valuable for ensilage. The plants are tall with a large amount of foliage. Each stalk usually produces two good long ears with small red cobs, well filled with large, deep golden kernels. Price \$2.50 per bushel.

**SWEET FODDER CORN.** For soiling or ensilage. Some dairymen prefer the sweet fodder corn to the ordinary ensilage variety, and although it does not make as large a stalk, nor as much foliage, it is highly relished by stock. It does best when sown in drills at the rate of 2 bushels to the acre. Price on application.

### STANLEY'S CROW REPELLENT.

Saves replanting, prevents crows, other birds and animal pests from pulling corn. Protects corn from rot caused by moisture. Makes seed germinate faster. Does not clog planter. Large can, enough for two bushels of seed corn, \$1.00. Small can, enough for one bushel, .60c.



## GRAINS AND FARM SEEDS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Prices do not include delivery. Add cost of bags when ordering, as follows:  
 $\frac{1}{2}$  bush., 10 cents; 2 bush. 25 cents.

**Spring Wheat, Marquis. (Beardless.)** An early and productive variety. The kernel is flinty, darker red and more plump than Red Fife and matures a week to ten days earlier; weight 64 to 66 lbs. per measured bushel. Write for price.

**Hungarian.** A popular annual used for hay and forage, yielding two to three tons per acre. Sow 1 bushel to the acre. Weight 48 pounds per bushel. Write for price.

**Japanese Millet.** A forage plant of excellent quality, growing 6 to 8 feet in height, and yielding 10 to 15 tons per acre. Sow 20 lbs. per acre broadcast, 15 lbs. in drills 18 inches apart. Write for price.

**Winter Vetch.** Suitable for both spring and autumn seeding, and if intended to stand over the winter, they should be sown as long before winter as possible to enable them to become established firmly. Write for price.

**Canada Field Peas.** A valuable crop for soiling and for cattle feed. Sow  $2\frac{1}{2}$  bushels per acre—if sown with oats, use one and one-half bushels each of the oats and peas. Write for price.

**Buckwheat (Japanese).** The best and most profitable variety. It is earlier and more productive than the Silver Hull. Write for price.

**Storm King Oats.** One of the earliest, heaviest and most prolific domestic-grown seed oat in cultivation. The heads measure from 8 to 10 inches and the kernels are of immense size, thick, plump and heavy. Write for price.

**Swedish Select.** Native to Northern Europe, this is a splendid variety for all sections, and particularly so to our States North of this latitude. A very productive sort; the straw is heavy and stiff and the grains plump and attractive in appearance. Write for price.

**Northern White Oats.** On account of their low price this oat is used extensively for fodder, but will show very good results when cut for grain. Write for price.

**Barley, 6 Rowed.** A hardy and productive bearded variety. Excellent for cover crop. Write for price.

**Winter Rye (Rosen).** Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color. Owing to its vigorous stooling property, less seed is required per acre. Write for price.





## “Sterling Quality” GRASS AND CLOVER SEEDS

You will find our “Sterling Quality” brand farm seeds the very highest in tests as to purity and germination. We do not carry the so-called “medium grades” which might be purchased at a slightly cheaper price. The best, or “Sterling Quality,” gives the greatest satisfaction to you and to us.

Kindly write us for quotations

**Timothy, or Herd's Grass** (“Sterling Quality”).

Perennial. Roots are fibrous in moist soils, but in dry soils often become bulbous; blooms in June and July. While this grass is commonly known as Timothy, it is frequently called Herd's Grass. It is the most valuable grass for hay, especially in the North, thriving best on moist, loamy soils of medium tenacity.

**Red Top, Fancy Recleaned.** (“Sterling Quality”).

Root-creeping; perennial; flowers in July. This valuable grass has been commonly cultivated in our fields for over a century. It is a fine permanent grass, and forms a nutritious pasture when fed close. It is valuable for all wet soils, producing a large return in good hay.

**Kentucky Blue Grass.** Root-creeping; perennial; flowers in June. This valuable grass is very common in the soils of America, and is excellent for pastures. It is a very valuable species in lawn mixtures.

**Orchard Grass.** Root fibrous, perennial, flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses.

## CLOVERS

**Domestic Grown Red Clover** (“Sterling Quality”). The leading variety of Clover for pastures or meadows. Requires deep, rich soil. Sow in Spring.

**Grimm Alfalfa Clover.** This variety of alfalfa is considered by many to be hardier and more productive than any other, and even at the higher price we believe it is the most economical seed to plant in New England. Valuable as hay and forage crop. Sow 15 to 20 pounds per acre.

**Alsike Clover.** (“Sterling Quality”). The hardiest of all clovers; it resists cold and extreme drought, and for low, wet land is most valuable; excellent for bees.

**Sweet Clover, Bokhara.** Used as a soil-improving crop.

**White Clover.** Largely used in lawn and pasture mixtures.

# Inoculate

## ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans,  
Peanuts with

All Legume  
Germs Are  
Perishable

To Protect You  
NITRAGIN Cans  
Stamped With  
Expiration Date



Legume Germs  
Die Rapidly  
When Dried

Authorities  
Recommend  
Inoculating  
With Water

### THE ORIGINAL LEGUME INOCULATOR

**Guaranteed Fresh Each Year—Leads in High Germ Count**

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, efficient nitrogen-gathering germs. It's fresh each year—it's DATED, and leads in High Legume Germ Count. Quality inoculation is the cheapest legume crop insurance known.

### NITRAGIN PRICES

Alfalfa, All Clovers		Peas, Vetch, Beans, Austrian Winter Peas		Soy Beans and Cow Peas	
Size	Price	Size	Price	Size	Price
1/4 bu.....	.40	1/4 bu.....	.40	1 bu.....	.40
1/2 bu.....	.60	1/2 bu.....	.60	2 bu.....	.70
1 bu.....	1.00	1 bu.....	.90	5 bu.....	1.50
5 bu.....	4.75	3 1/2 bu.....	1.80	10 bu.....	2.50
When ordering always specify kind of seed		5 bu..... 2.50		When ordering always specify kind of seed	
		*Also called "100 lb. size."			



### Garden Nitratin—Garden Size— Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price \$.25

IMPORTANT: When ordering NITRAGIN, always be  
sure to state kind of legume seed you wish to inoculate.

Nitratin Has Served the American Farmer Since 1898

### Mixing Nitratin with Seed

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitratin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

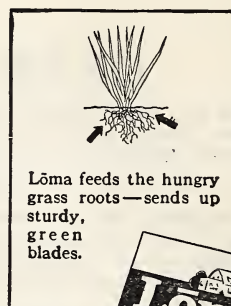


## The Quick Way to a Beautiful Lawn

*You can actually see the results  
in a week—ten days!*

NOW is the time to feed your grass with vitalizing, life-giving Lōma! For Lōma supplies the hungry roots with potash, phosphates and nitrates. Sow it like you do grass seed—wash it down well—and in a week, ten days, you will see the difference. Deep-rooted, thick grass—so sturdy that it will crowd out the weeds this summer. Lōma is the perfect plant food—it also does wonders for vines and shrubs, flower and vegetable gardens. Come in—we'll tell you all about it. Or phone your order, now.

1-lb. household size	\$ .25	10-lb. bag, enough	
5-lb. carton, enough		for 10 ft. x 20 ft.	\$ .85
for 10 ft. x 10 ft.	\$ .50	25-lb. bag, enough	
		for 20 ft. x 25 ft.	\$ 1.75
50-lb. bag, for 25 x 40 ft.	\$ 3.25	100-lb. bag, for 40 x 50 ft.	\$ 6.00



FOR EVERY NEED

## FERTILIZERS

IN ANY QUANTITY

### Sheep's Head Brand

### Pulverized Sheep Manure

5 lbs. 35c., 10 lbs. 50c., 50 lbs. \$1.75, 100 lbs. \$3.25.

Write for prices on

COMMERCIAL FERTILIZERS  
AGRICULTURAL LIME  
ACID PHOSPHATE  
NITRATE OF SODA  
PURE GROUND BONE  
SULPHATE OF AMMONIA

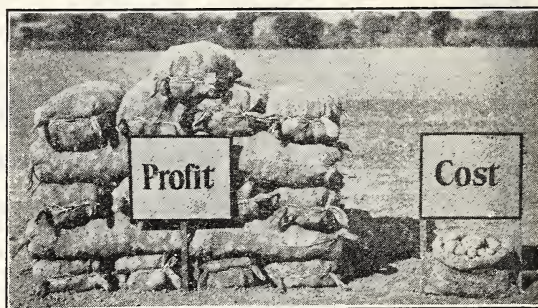
## DU BAY Seed Disinfectants Pay Large Profits Small Costs

IMPROVED SEMESAN BEL—Treatment of seed potatoes will bring you more profit than ever before. This quick dip treatment has cut treating costs to 1½c to 3c per bushel of seed and gives equal or better control of seed-borne Rhizoctonia and scab than the old soak treatments. It protects seed pieces against rotting, insuring maximum stands; gives more consistent increases in yield and consequently larger profits. It costs less in time and labor—is easily and quickly applied. One pound of Improved Semesan Bel treats 60-80 bushels of seed potatoes.

Prices: 4 oz. 50c., 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25, 100 lbs. \$120.00. Free pamphlet.

#### Prevent or Control Brown Patch With SEMESAN

Brown Patch may, overnight, mar a beautiful lawn or convert a smooth velvety golf green into an unwanted hazzard. Regular applications of Semesan prevent or control the development of Brown Patch and assist normal, healthy turf growth. Semesan is recommended where soil fertility is high. One pound of Semesan in 50 gallons of water treats 1,000 square feet of turf by sprinkling. Applied with a power sprayer, 50



Only 0.4 of a bushel of potatoes out of the average increase of 35.4 bushels was required to pay for the cost of Improved Semesan Bel—a return on money invested of 9830%.

gallons of Semesan cover from 2,000 to 3,000 square feet.

Prices: 2 oz. 50c., 1 lb. \$2.75, 5 lbs. \$13.00, 25 lbs. \$56.25. Free pamphlet.

SEMESAN JR.—Field or sweet seed corn dusted with Semesan Jr. is protected from root-rots carried by the seed and from rotting in cold, wet soil, and gives better stands and yields of improved quality. Costs less than 3c per acre.

Prices: 4 oz. 50c, 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25. Free pamphlet.





# "STERLING QUALITY" LAWN SEEDS

We mix them ourselves—using only pure solid seed



Seed may be sown early in spring or in fall. It should be sown at the rate of one pound to every 200 square feet, or 200 pounds to the acre.

## How to Make a Lawn

The essentials of a beautiful lawn are: rich well drained soil; careful preparation of the ground, to make it fine, smooth and mellow; wise selection of seeds; sowing at a time when the young plants will have a chance to become well established before they are exposed to dry or cold weather or hot summer sunshine.

Special care should be given to selection of grasses because some varieties are most luxuriant in spring, some in summer, others in autumn, and a combination of the proper sorts is necessary to insure a velvety carpet-like lawn.

## "A. S. & L." Extra Fine Lawn Seed

This is a mixture of low growing grasses especially adapted to making a fine carpet-like lawn. Each variety has a different period of luxuriant growth so that the lawn is in excellent condition all summer. We take great pride in the quality of our A. S. & L. Lawn Seed as we use only the best solid seed obtainable, without chaff or "filler" of any kind. We know that you will be pleased with this seed.

Price 40c per pound, 5 lbs. \$1.90, 10 lbs. \$3.60. By mail add postage.

## A. S. & L. "Park Mixture"

This is composed of solid clean seed and gives a fine effect for a large area. Our Park Mixture has been used extensively by the City of Portland for many years and has given splendid satisfaction wherever used. To those who desire a strong quick growing lawn we recommend this seed.

Price per pound 35c, 5 lbs. \$1.65, 10 lbs. \$3.10.

## A. S. & L. "Shady Place" Mixture

This is a mixture of extra fine Grasses adapted for growing in the shade and under trees. We recommend the use of this mixture wherever other grasses on account of shade have failed to make a close sward. Sow at the rate of 1 lb. per each 200 sq. ft. for a new lawn, or about half that quantity for renovating existing turf.

Price 50c per pound, 5 lbs. \$2.40, 10 lbs. \$4.60. By mail add postage.

Do not be disappointed if expensive lawn seed germinates slowly. The finer the seed, the slower it germinates. The best lawns do not come entirely to maturity the first season.





# SEED FOR GOLF CLUBS

## Special Mixtures for Putting Green and Fairway

To the Chairman of the "Greens Committee"

There never has been a season when "Sterling Quality" Seed for the Putting Green or Fairway could be purchased so reasonably. It is a splendid opportunity to build that new green and re-seed that old troublesome fairway at approximately half the usual cost. Let us quote you on your requirements.

Allen, Sterling & Lothrop.



"Driving Off," 1st Tee, Willowdale Links.  
Seed for this course furnished by Allen, Sterling & Lothrop

It has been our privilege to furnish many golf clubs with their special requirements of seed for putting greens and fairways, and we are also prepared to quote on special formulas as designated or on the named varieties which are used extensively in the best mixtures.

WE STOCK THE FOLLOWING VARIETIES AND CAN MAKE PROMPT SHIPMENT.

**RHODE ISLAND BENT**—A pure hardy strain of creeping Bent. It forms an ideal turf of dark green color and is uniform in texture. We recommend its use anywhere that bents will thrive, but particularly in the New England States. Its fineness makes it the ideal seed for putting greens.

**CHEWINGS NEW ZEALAND FESCUE**—For either putting greens or fairways.

**GOLD RED TOP**—Superfine Recleaned. Purity test 98% or better.

**KENTUCKY BLUE GRASS**—A wonderful seed for fairways or lawns—21 lb. seed.

WE FURNISH PURITY AND GERMINATION TESTS ON ALL SEED FOR GOLF CLUBS





*"Sterling Quality"*  
**CHOICE FLOWER SEEDS**  
**ANNUALS**

**FREE DELIVERY** to any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound

*"A flower opens, and lo!  
Another year."*

In the following lists of seeds we have aimed to select the types most desirable and sufficiently popular to meet the majority of needs. We will be glad to give first hand information regarding the care and culture of annuals and perennials, and will try and secure for the garden adventurers seeds rare and difficult to find. Come to the House of Allen, Sterling & Lothrop and enjoy "that beautiful comradeship about gardening."

Per Pkt.

**ACROCLINIUM.** A half-hardy annual, bearing white and rose-colored flowers which are used when dried for winter bouquets. 1½ ft. Rose and white, mixed .... \$0.10

**AGERATUM.** A beautiful, hardy annual. The flowers, which are produced in clusters, are very attractive in the garden and are very useful for bouquets.

**Little Blue Star.** Bright blue flowers, 6 inches ..... .10

**Blue Perfection.** Dark Blue. 1½ feet. .... .10

**ALYSSUM.** A fragrant, hardy annual, bearing spikes of small, white flowers in great profusion throughout the summer and autumn. Useful for borders and for cutting.

**Sweet Alyssum.** Flower small and sweet. .. oz. 50c. .10

**Little Dorrit.** Pure white, very dwarf and sweet scented. .... oz. \$1.00 .10

**Lilac Queen.** Of dwarf compact habit, with flowers of a pure lilac color; 4 inches. .... .10

**ANTIRRHINUM (Snapdragon.)** A half-hardy perennial, easily raised from seed. Bloom profusely the first season from mid-summer till fall.

**TALL, MAXIMUM VARIETIES**

**Canary Bird.** Canary yellow with golden yellow center. .... .10

**Copper King.** Velvety copper scarlet. .... .10

**Snowflake.** Pure white, yellow lobe. .... .10

**The Rose.** Rose pink. .... .10

**Mixed.** A well balanced mixture of the above varieties. .... .10



**ANTIRRHINUM OR SNAPDRAGON**



## ASTERS

A popular half-hardy annual produced in a great variety of classes and an almost endless number of colors. The tallest varieties grow about two feet high and some varieties of dwarfs are not six inches high. The best method of culture is to sow the seed in boxes in March or April. Cover the seeds about one-fourth inch deep with rich, light soil, and when the plants have three or four leaves transplant about 15 inches apart each way. The seed can be sown in rows where the plants are to remain, thinning them from six to twelve inches apart, according to variety. One of the best annuals for cut flowers.

**CALIFORNIA GIANTS.** A type characterized by the Beauty's vigorous growth and the Crego or Os-trich Feather type of flower. A true nonlateral type. The flowers are much larger and more substantial than the improved Crego, measuring 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work—Peach Blossom—Light Blue—Dark Purple—White—Deep Rose—Mixture of above.

Per pkt. 20c. each, 3 pkt. 50c.

**Astermum.** A select strain of this new aster. The flowers are of immense size, with curled and twisted petals, closely resembling the blooms of Japanese Chrysanthemums. Mixed colors.

Per pkt. 10c.

**Ball's White.** Pure white, branching habit, medium early.

Per pkt. 10c.

**Moreton Pink.** This is of the upright Comet type. It is a beautiful shade of flesh pink and very desirable.

Per pkt. 10c.

**The Royal.** An early flowering aster; the plants are of branching habit; the flowers are very double and are borne in great profusion on long stems. Mixed colors.

Per pkt. 10c.

**Queen of the Market.** One of the earliest blooming varieties. The plants are about 1 foot high, bearing from ten to fifteen finely formed flowers on long and graceful stems. White, light pink, lavender and mixed colors. Separate colors, or mixed.

Per pkt. 10c.

**Heart of France.** This is one of the largest flowering of the very dark red sorts. The plants are nicely branched and the flowers grow on long strong stems. Height 2 feet.

Per pkt. 10c.

**Sinensis.** The Sinensis flowers are small, round and compact. Height 2 feet. Lavendar, Dark Blue, White, Flesh Pink, and Mixed colors.

Per pkt. 10c.

**Single California Giants.** A splendid early flowering variety.

Mixed colors—Per pkt. 10c.



ASTERMUM

**Improved Giant Crego.** One of the finest varieties of asters, flowers very large, often five inches across, with long, stout stems. Keep longer in good condition when cut than any other variety. Height 2½ feet. White, shell-pink, rose-pink, lavender, orchid, purple and mixed colors. Separate colors, or mixed.

Per pkt. 10c.

Soft as Kid



Tough as Iron

**National  
Eezy Wear  
Garden Gloves**

A soft—pliable—ALL LEATHER—dirt proof glove for both MEN and WOMEN—specially adapted for gardening.

Four Sizes—Medium and Large for Women. Medium and Large for Men. State Size Desired.

75c per pair Postpaid





BACHELOR'S BUTTON

**BACHELOR'S BUTTON.** Hardy annual of easy culture, one of the most attractive of all the old fashioned flowers. Sow the seed where it is to remain and thin to six inches.

	Per Pkt.
Single Blue .....	.10
Single Mixed Colors .....	.10
Double Blue. Fine dark blue .....	.10
Double Pink .....	.10
Double Mixed Colors .....	.10

**BALSAM.** A favorite garden flower producing masses of beautiful, brilliant-colored, double flowers of easy culture; succeeds in a good rich soil; set the plants one foot apart; tender annuals; 2 feet.

Mixed colors .....	.10
--------------------	-----

**Double Camellia-Flowered.** An old-time favorite garden flower. The fine new sorts are most lovely in texture and color. If bare spots occur in the garden in August fill in with balsams, for these plants are easily transplanted even when in full flower. Have plants wet and transplant with large ball of earth. .... .10

**BEANS, Flowering.** Popular ornamental climbers, 6 to 8 feet.

Scarlet Runner .....	.10
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**BRACHYCOME—Swan River Daisy.** Dwarf compact-growing annual with an abundance of daisy-like blue flowers. Fine for edging. 6 inches. .... .10

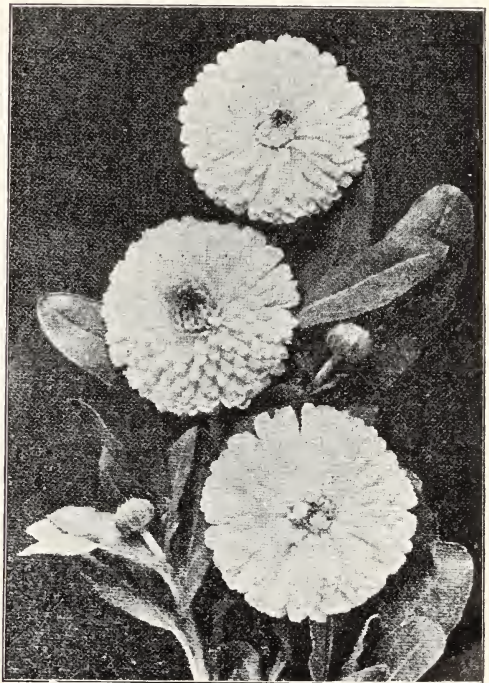
	Per Pkt.
<b>BROWALLIA.</b> Very handsome, free-flowering plants. 1½ feet high.	
Mixed. ....	.10

<b>CANARY BIRD VINE.</b> Half-hardy, climbing annual, bearing an abundance of bright yellow fringed flowers. ....	.10
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<b>CALENDULA.</b> Profuse-blooming dwarf annuals; of easy culture and flowering until frost.	
Orange King. Double, dark orange red ...	.10
Lemon Queen. Lemon-yellow .....	.10
Mixed Varieties .....	.10

<b>CALLIOPSIS (or Coreopsis).</b> A hardy annual growing about 2 feet high, valuable for bright bedding effects or for cutting. Blooms from June until September.	
Double Mixed Colors. Fine Varieties. ....	.10

<b>CANDYTUFT.</b> A hardy annual of easy culture and valuable for bedding or massing.	
Giant Hyacinth Flowered. Very large heads and long spikes of white flowers. 1 foot. ....	.10
Crimson. ....	.10
Flesh Pink. ....	.10
White. ....	.10
Mixed, all colors. ....	.10



CALENDULA



Per Pkt.

**CARNATION.** Carnations are general favorites for their delicious fragrance and richness of colors.

**Chabaud's Giant Double Carnation.** This race of Carnations raised by the famous French specialist Chabaud is by far the finest strain we have ever seen. Blooms in five months from time of sowing and produces flowers that compare favorably with the finest greenhouse-grown product. We can supply as follows:

Double Mixed ..... .25

**CENTAUREA (Dusty Miller).** Half-hardy perennial, used for borders or edgings.

**Gymnocarpa.** Leaves silver gray, with graceful, drooping habit. 1½ feet. .... .10

**CHRYSANTHEMUM (Annual).** Summer-blooming annuals, growing 12 to 18 inches high. Very effective for bed or cut blooms.

Double Mixed ..... .10

**CLARKIA-Elegans Double.** The enormous improvement in the Elegans class, which now includes a wide range of beautiful colors, has brought these flowers much into favor. Hardy annual.

Rose, Mixed ..... .10

Queen Mary, a beautiful new rose carmine Clarkia. .... .10

**COBAEA.** A tall rapid-growing climber, with handsome foliage and large bell-shaped flowers half-hardy perennial. Start in cold frame.

Scandens. Blue ..... .10

**COCKSCOMB.** Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants.

**Glasgow Prize.** Brilliant, deep purplish-red combs, dark foliage. Height about one foot. .... .10

**COLEUS.** A tender annual, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves.

Mixed Hybrids. Finest Mixed varieties... .25

**CONVOLVULUS major (Morning Glory).**

A handsome, showy climber of easy culture and suitable for covering windows, trellises, etc. The flowers are most brilliant in the morning and run through many shades from white to dark blue, red and striped. Hardy annuals 10 feet high.

Mixed Choice Colors ..... .10



DOUBLE COSMOS

**COSMOS.** A very effective flowering plant, quite hardy and rapid growing, forming bush-like plants 4 to 6 feet high and covered with large, single, dahlia-like flowers. Start in March and transplant to open ground about June first.

Early Flowering, Mixed Colors ..... .10

Early Flowering, White ..... .10

Early Flowering, Pink ..... .10

Early Flowering, Crimson ..... .10

**NEW EXTRA EARLY FLOWERING DOUBLE COSMOS.** They grow to a height of about three feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, and continue until cut down by frost.

Double Crimson ..... .25

Double Pink ..... .25

Double White ..... .25

Double Mixed ..... .25

**CYPRESS VINE (Cardinal Climber).** A summer, climbing annual with fine, feathery foliage and pretty, star-shaped flowers.

Scarlet ..... .10

**DATURA.** Large, strong-growing plants with large, trumpet-shaped flowers. 3 feet.

Mixed, all colors ..... .10





Per Pkt.

Per Pkt.

**DIANTHUS or Pinks.** Hardy biennials that bloom the first season, remaining green all winter and blooming the next year also if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted. Average height, 1 foot.

Mixed, all colors ..... .10

**DIDISCUS. (Blue Lace Flower).** An attractive annual blooming from July until frost. The flowers are pale lavender and are invaluable for cutting. Height 1½ ft. .10

**DIMORPHOTHECA (African Golden Daisy).** The Dimorphotheca has acquired a place in the garden next to the Nemesia; both of which in their original form were found wild in South Africa.

Mixed ..... .10

**ESCHSCHOLTZIA**, the state flower of California. The foliage is finely cut, delicate and very attractive. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Hardy annual; height, 1 foot.

**Aurantiaca.** Rich golden yellow. .... .10

**Carmine King.** Beautiful shade of carmine—rose. .... .10

**Chrome Queen.** Rich chrome yellow. .... .10

**California.** Deep yellow, orange center. . . .10

**Grandiflora Mixed Colors.** ..... .10

**GAILLARDIA.** Very showy plants with brilliant flowers. Hardy annuals, 2 feet high.

Single Mixed. Annual ..... .10

**GODETIA.** This is an effective annual not nearly common enough in our gardens. Start in cold frame—can be sown in open. The graceful sprays make a handsome decoration for vases. Tall varieties with flowers in long loose sprays. Height 2 to 3 feet.

**Cherry red** ..... .10

**Mauve** ..... .10

**Rosy Morn** ..... .10

**White** ..... .10

**Mixed** ..... .10

**GOURDS.** Ornamental, rapid-growing, trailing annuals, with curiously-shaped, highly-colored fruits. Cultivate the same as melons or squashes; 10 to 20 feet.

Mixed Varieties ..... .10

**GYP SOPHILA (Baby's Breath).** Free-flowering, elegant plants, succeeding in any garden soil.

**Elegans grandiflora alba.** A hardy annual, pure white flowers. .... .10

**HELICHRYSUM. (Straw Flower).** Ever-lasting flowers, large and full. Cut before the flowers fully expand. Hardy annual. 2 feet.

Double Mixed ..... .10

**HELIOTROPE.** This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

Finest Mixed ..... .10

**HOLLYHOCK.** Hardy annuals, blooming the first season.

Single Mixed ..... .10

Double Mixed ..... .10

**HUMULUS JAPONICUS (Japanese Hop).**

Fast-growing, annual climber. 12 feet. ... .10

**HUNNEMANNIA (Giant Yellow Santa Barbara Tulip Poppy; Bush Eschscholtzia).** A sun-kissed golden yellow poppy too little known. This is by far the best of the poppy family for cutting, remaining in good condition for several days. The flowers resemble in size and shape the Iceland Poppy, and are never out of flower until hard frost. Plant very early where intended to flower. Height 2 feet.

Pink Variety ..... .10

**HYACINTH BEAN.** Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. The shining purple seed pods are very ornamental.

Finest Mixed ..... .10

**KOCHIA CHILDSII (Summer Cypress).** A splendid ornamental annual plant, forming dense oval bushes 2 to 2½ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant. .... .10

**LARKSPUR. (Delphinium).** Very ornamental plants, producing, in great variety of form and colors, some of the most beautiful flowers in cultivation.

**Dwarf Rocket.** 1 ft. in height. Mixed colors. .... .10

**Stock-Flowered.** Double, branching; fine for cutting. 2 feet. Mixed colors. .... .10

**Double Stock Flowered Tall "Exquisite."** An excellent variety for cutting or garden decoration, growing 2½ to 3 feet. The color is a beautiful soft pink. Hardy annual. .... .15

**LAVATERA (Mallow).** Beautiful hardy annuals covered the entire summer with saucer-shaped flowers. The seed may be sown where they are to bloom. Height 2 to 3 feet.

Pink, White, and Rose Carmine ..... .10



**LINUM Grandiflorum Rubrum (Scarlet Flax).** A beautiful and effective plant of slender and delicate growth, having a profusion of bright flowers. Hardy annual; about 1½ feet high. .... .10

**LOBELIA.** The dwarf varieties are very useful for edging, and the trailing varieties for hanging baskets and window-boxes.  
**Sapphire.** Blue trailing. .... .10  
**Crystal Palace Compacta.** 6 inches. Dark blue bedding variety. .... .10

**LOVE-IN-A-MIST.** A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture.  
**Mixed.** Blue and white shades. .... .10

**LUPINS.** Showy plants, with long spikes of various colored pea-shaped flowers; very desirable for mixed borders.  
**Fine Mixed** .... .10

**MALOPE.** Free-blooming, hardy annuals suitable for mixed borders and fine for cutting. Height 3 feet.  
**Grandiflora Mixed** .... .10

**MARIGOLD (Tagetes).** A hardy annual plant, in dwarf and tall varieties, growing from 6 inches to 2 feet high. Foliage bright green, deeply cut and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders. Seeds can be sown in a cold frame and the plants transplanted late in the spring or in the open border.

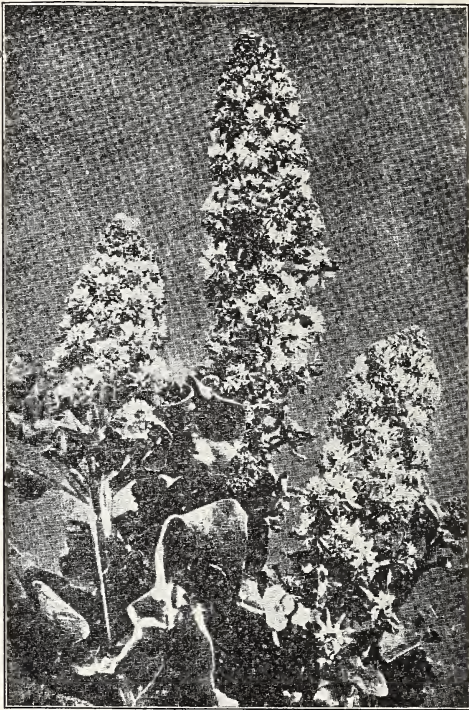
**DOUBLE AFRICAN VARIETIES**

**Orange Prince.** A double variety with quilled petals; flowers showy, bloom very early. .... .10  
**Lemon Queen.** Large, lemon-colored flowers. .... .10  
**Mixed Colors** .... .10

**FRENCH VARIETIES**

**Tall Double Mixed** .... .10  
**Dwarf Double Mixed** .... .10

**MIGNONETTE (Reseda).** A hardy annual, growing 6 to 12 inches high and bearing pyramidal-shaped flower spikes, which are exceedingly fragrant. Grows easily from boxes or sown out in the garden and thinned to 4 or 6 inches. Valuable for potting, for bedding or for border.  
**Large Flowered.** Very sweet .... .10  
**Goliath Red.** A giant red-flowered variety with rich green foliage, especially suited for house culture. .... ¼ oz. 50c. .... .10  
**Goliath White.** This splendid white variety has the same characteristics of the red sort. .... .10



MIGNONETTE

**MARVEL OF PERU.** The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. 2 feet high, with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where plants are desired.

**Mixed Colors** .... .10

**MOONFLOWER.** A beautiful vine which grows very rapidly, attaining a height of 50 feet in a season, producing flowers 3 to 4 inches across. Blossoms evenings and cloudy days. Soak the seeds in warm water 24 hours before planting.

**Grandiflora Alba.** Large white flowers. . . .10  
**Giant Pink.** Soft lilac-pink flowers. .... .10  
**Heavenly Blue** .... .10

**MOURNING BRIDE (Scabiosa).** A very showy free-flowering plant, producing a great profusion of beautiful and richly-colored double flowers. Beautiful in the garden and excellent for bouquets. 12 to 18 inches high. Annual.  
**Mixed Colors** .... .10

**MIMULUS (Monkey Flower).** Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air.  
**Mixed Spotted Varieties.** .... .15





# NASTURTITIUM

A popular flower which is in constant bloom throughout the season, making a better display than almost any other plant.

Nasturtiums are of the easiest culture and require very little care after the seed is sown. Hardy annual.

## Bodger's New Double Sweet-Scented Nasturtium Golden Gleam

Awarded Gold Medal at Atlantic City Flower Show, 1931

Selected for Trial at Wisley, 1932.

The plant forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The flowers commence as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown the remarkable formation of the petals gives the flowers a fully double appearance which is most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time, will fill the room with fragrance.

Golden Gleam was distributed last season to over three hundred customers throughout the world. We predict a very heavy demand for the season of 1932, and advise placing orders early to assure delivery. Per pkt. .... .25

## DWARF MIXED NASTURTITIUMS

"A., S. & L." Extra Choice Mixture. Our own mixture from a selection of named varieties and colors. Nothing finer.

Pkt. 10c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.

## TALL MIXED NASTURTITIUMS

"A., S. & L." Extra Choice Mixture. Our own selection.

Pkt. 10c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.

Per Pkt.

**NEMESIA STRIMOSA SULTONI.** Free-blooming plants for pot culture and open border. Sow the seed in March under glass or sow out of doors in May. Hardy annual. 1 foot. Mixed colors ..... .10

**NICOTIANA.** Showy plants with slender, tall, flowering stems and fragrant flowers; half-hardy annuals. About 3 feet high.

**Mixed Hybrids.** All colors..... .10

# PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in May or June, and well watered until up, will produce tall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth; use manure liberally.

Per Pkt.

**Perfection (new).** A super mixture containing the finest types of pansies, and many new sunburst pansies, smoky rims, henna shades, with fine long stems. .... .50  
**Greenhouse Special Mixed** ..... .25  
**Choice Mixed** ..... .10

**PASSION FLOWER (Passiflora).** A half-hardy perennial climber, bearing attractive blue fringed flowers. Height 10 to 15 feet. .... .10

**PHLOX DRUMMONDII.** Grandiflora. One of the most satisfactory bedding plants. A hardy annual growing about one foot high, and bearing beautiful and brilliant-colored flowers.

**Primrose, Pure White, Lilac, Crimson** ... .10  
**Mixed.** Best large-flowered varieties. .... .10



NASTURTITIUM



## POPPY

The seed should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Thin 6 to 10 inches apart. If left thick the plant will be weak and the blossoms inferior.

### SHIRLEY VARIETIES

Per Pkt.

The most beautiful type of poppies, having soft foliage and an immense variety of blossoms in white, pink, lavender, purple, shades of red and scarlet; the best and most showy of all single poppies.

A. S. & L. Single Mixed .....	.10
"American Legion." Orange scarlet. ....	.15
Blue .....	.10
Rose Pink .....	.10
Double Mixed .....	.10

### CARNATION VARIETY

Double Mixed .....	.10
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### SNOWDROP

Pure White .....	.10
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SHIRLEY POPPY

**PORTULACA.** The flowers of the double variety are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower. Annual.

Double Mixed Colors .....	.10
Single Mixed Colors .....	.10



SALPIGLOSSIS

Per Pkt.

**PETUNIA.** Free-flowering and easily cultivated; well-known favorites. They thrive in almost any soil and produce a brilliant array of color throughout the season.

**Giants of California.** Flowers very large, and deeply fringed. A variety of colors. . . . .25

**Rosy Morn.** A bright rosy pink with white throat ..... .15 |

**Rose of Heaven.** A very effective rich and brilliant rose colored variety. .... .15 |

**Balcony Blue.** A splendid large and free-flowering type for window boxes, hanging baskets, etc. Color a rich indigo blue. .... .15 |

**Choice Mixed.** Striped and blotched. .... .10 |

**RHODANTHE.** Fine for garden. Comes into flower early and continues a long time. One of the best everlasting for bouquets.

**Fine Single Mixed** ..... .10 |

**RICINUS (Castor Oil Bean).** A half-hardy annual, growing from 6 to 15 feet high.

**Zanzibarensis Mixed.** A very large-leaved variety, light and dark green and bronze foliage; 10 to 12 feet. .... .10 |

**SALPIGLOSSIS.** Very showy half-hardy annual, with large veined funnel shaped flowers; much prized for cutting. This is an indispensable annual to give color to the garden or border, especially the variety known as Blue and Gold.

**Dark Blue and Gold** ..... .10 |

**Crimson,** gold veined ..... .10 |

**Rose and Gold** ..... .10 |

**Scarlet and Gold** ..... .10 |

**Mixed** ..... .10 |

**SCHIZANTHUS.** Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms.

**Choice Mixed Large Flowering** ..... .10 |





## SWEET PEAS

The popularity of Sweet Peas is demonstrated by the many and beautiful varieties that are introduced each year. Our list includes all the best up-to-date varieties.

Sow as early as the ground can be prepared in a deep, rich, moist soil, in drills 6 inches deep, covering about 2 inches deep. As the vines grow, fill up the trenches with soil and thin out to about 4 or 5 inches apart. A popular plan at the present time is to sow in double rows with a trellis or a row of brush between.

One-quarter of a pound of seed will sow fifty feet.

### Giant Spencer Varieties

The Spencers have very large waved flowers which are produced abundantly on long, strong stems, and are most desirable for cutting.

**Alexander Malcolm.** Very bright scarlet cerise.

**Annie Ireland.** White with rose-pink edges.

**Apple Blossom Spencer.** Standard bright rose, wings primrose with a flush of rose.

**Asta Ohn.** The best lavender, very large and wavy.

**Austin Frederick Improved.** Large pure lavender.

**Constance Hinton.** The largest white Spencer.

**Countess Spencer.** The original giant-flowered Spencer, clear pink.

**Crimson King.** The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat.

**Daffodil.** Very deep primrose.

**Daisy Bud.** Soft pale rose pink.

**Hebe.** A giant flower of finest form. Color bright rose pink. Flowers are beautifully waved.

**Jack Cornwell, V. C.** Deep blue. One of the most beautiful.

**King Edward.** The best pure red Spencer, very large.

**King Mauve.** Splendid shade of mauve.

**Majestic Cream.** Large deep cream.

**Morse's Sunproof Scarlet.** The brightest scarlet yet introduced.

**Mrs. Hugh Dickson.** Buff apricot and rose.

**Mrs. Tom Jones.** Deep amethyst blue, very fine form.

**Pink Pearl.** Clear pearly pink.

**Royal Scot.** Brilliant scarlet.

**Splendour.** Rich red maroon.

**Tangerine.** Salmon Orange.

Price: Any of the above

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00



EARLY HARMONY

### A. S. & L. Superb Spencer Mixed

Our own mixture of true Spencer types only. As fine a collection of Sweet Peas as can be purchased anywhere. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.



TEN WEEKS BEAUTY STOCKS

## STOCKS

(Gilliflower)

Hardy annuals, 2 feet high, with spikes densely covered with beautiful double flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Make the soil deep and rich, and set the plants a foot apart.

### LARGE-FLOWERING TEN WEEKS BEAUTY STOCKS

A magnificent race of recent introduction, with long trusses of extremely double flowers of delightful fragrance. For forcing in the greenhouse in winter they are unexcelled. They are equally good when planted in the garden, coming into bloom in about 10 weeks and lasting until late in the season.

	Per Pkt.
Apple Blossom .....	.10
Canary Yellow (Monte Carlo) .....	.10
Flesh Pink (Beauty of Nice) .....	.10
Light Blue (Cote d' Azure) .....	.10
White (Mont Blanc) .....	.10
Choice Mixed .....	.10

<b>SWEET SULTAN.</b> Large, sweet-scented flowers.	
Finest Mixed .....	oz. 50c. .10

Our new flower seed packets contain more seed without additional cost to our customers.

**SALVIA.** Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May. Bloom from July to frost. Set plants 1 foot apart. Half-hardy annual.

Per Pkt.

**America.** An improved variety of dwarf, compact growth; very early and produces large spikes of brilliant scarlet flowers. . . . .15

**Bonfire.** Very compact, with long, erect spikes of brilliant scarlet flowers. 2 feet. .10

The blue salvias are growing in popularity each year. They are best treated as an annual although Patens may be lifted in the fall and stored in the cellar in the same way that our grandmothers wintered their geraniums.

Blue Bird .....

Pink Bird .....

**SUNFLOWER (Helianthus).** Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant in light or sandy soil.

**Excelsior.** Splendid variety, medium size flowers with good assortment of colors. Double Mixed .....oz. 35c. .10

**Miniature.** Small, single rich yellow flowers, with black center. 4 feet .... oz. 35c. .10

**Sutton's Red.** Single large red flowers, shading to yellow at tips of petals. Height 6 feet ..... oz. 35c. .10

**Mammoth Russian.** Large yellow. oz. 10c.

**THUNBERGIA. (Black Eyed Susan.)** Beautiful annual trailing plants for hanging basket and vases.

Mixed colors, 4 feet ..... ¼ oz. 25c. .10

**VERBENA.** The rich colors of the fragrant Verbena have been found in our gardens for years. Lovely Mayflower! we might omit many annuals but never the Mayflower Verbena, for the colors are like those in the Trailing Arbutus. Always select a verbena without an eye—for a solid color is much more desirable.

Mayflower, various shades of pink ..... .10

Blue Shades (without an eye) ..... .10

White, dense heads of finely shaped white flowers ..... .10

A. S. & L. Mammoth Mixed ..... .10

**WILD CUCUMBER (Echinocystis Lobata).**

This is a useful climber where a rapid and vigorous growth of vine is desired. The vine is thickly covered with white, fragrant flowers. Hardy annual. . . ½ oz. 25c. .10

**WILD GARDEN FLOWER SEEDS.** A mixture of easily grown varieties of Flower Seeds for Sowing broadcast, require very little care and produce a continual display of bloom throughout the season, and furnish an abundance of flowers for cutting. They are useful for sowing along fences and on unsightly bare spots of ground. . . . .oz. 15c., ¼ lb. 50c. .10





## ZINNIA

A hardy annual, growing from 1 to 2 feet high. One of the most brilliant and showy plants. They flower early in the summer and keep on blooming until frost.



GIANT DAHLIA FLOWERED ZINNIA

## GIANT DAHLIA FLOWERED ZINNIA

A wonderful improvement in Zinnias, the flowers being as large as Dahlias. The plants of this variety are very strong and rugged, growing to a height of about three feet.

	Per Pkt.
<b>Buttercup (New).</b> A large deep creamy yellow .....	.20
<b>Crimson Monarch.</b> By far the largest and best of the red shades. Flowers often eight inches in diameter. ....	.20
<b>Dream.</b> A fine deep lavender, turning to purple. A new, desirable shade in Zinnias. ....	.20
<b>Exquisite.</b> Color light rose with center a deep rose. ....	.20
<b>Golden State.</b> A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. ....	.20
<b>Oriole.</b> Considered the most beautiful of its class. It is an immense orange and gold bicolor. ....	.20
<b>Polar Bear.</b> A very large pure white, the best white yet seen in Zinnias. True Dahlia form. ....	.20
<b>Scarlet Flame.</b> A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. ....	.20
<b>Special Mixture</b> ..... (3 pkts for 50c.)	.20
<b>"A. S. &amp; L." Mammoth Double Mixed</b> ...	.10

## "A. S. L." Choice Plants and Seedlings

Grown especially for us from "Sterling Quality" Seeds

### VEGETABLE PLANTS

#### Celery Plants

Golden Self-Blanching, White Plume, Boston Market

#### Tomato Plants

Earliana, Dwarf Champion, John Baer, Jewel, Marglobe, Early Avon, Bonny Best and other standard varieties.

One dozen in each box

#### Cabbage Plants

Early summer varieties, Winter varieties.

#### Cauliflower Plants

Rhubarb Roots and Asparagus Roots

Potted plants and plants in baskets and boxes cannot be sent by mail.

### FLOWER SEEDLINGS

Aster, Pinks, Petunia, Stock, Pansies (choice strain), Marigold, Phlox, Snapdragon, Zinnia, Verbenas.

### BEDDING PLANTS

Geraniums—3 in. and 4 in. Pots.

Cannas and Fuschias—4 in. Pots.

Heliotrope, Calendulas and Lobelias in 3 in. pots.



## “Sterling Quality”

# Hardy Perennials and Biennials

This class of flowers is coming into increased favor each year. The seed may be sown in the spring, or later in July or August. If sown at the latter time, it is well to sow in a shaded, moist place, or to keep the ground shaded and well watered until the seed appears.

	Per Pkt.		Per Pkt.
<b>ACONITUM (Monk's Hood).</b> Hardy perennial, with helmet-shaped flowers; growing in any good garden soil. Thrives best when planted among shrubbery or in shady situations. 4 feet.		<b>ARNICA MONTANA.</b> A beautiful Alpine plant resembling a small golden sunflower, two inches in diameter, on stems six to nine inches high. Grow it in the rock garden with Campanula Barbata. ....	.10
Nappelus. Large blue .....	.15		
<b>ALYSSUM.</b> Saxatile compactum (Basket of Gold). Hardy perennial for early spring bedding, producing a mass of bright yellow flowers. A good rock plant. Height 6 inches. ....	.10	<b>BELLIS PERENNIS (Double Daisy).</b> Sow the seed very early. The flowers are abundant in early spring and may be continued later by the use of water. Set about six inches apart in a cool border.	
Saxatile Citrinum. Flowers palest lemon; is much more lovely in its delicate coloring than compactum and is seldom seen. Height 6 inches. ....	.10	Longfellow. Large, rose-colored flowers... ..	.10
		Snowball. Large, double pure white. ....	.10
<b>ANCHUSA.</b> The Anchusas provide some of the best flowers of our gardens. They are a rich gentian blue, produced in long loose sprays during June and July. Height 3 to 4 feet.		Finest Mixed .....	.10
Italica, Lissadell. An improved form of the Dropmore variety .....	.10	<b>CANTERBURY BELLS.</b> Large bell-shaped flowers which are very effective. Succeeds best in light, rich soil. Transplant two feet apart. Height 2 to 4 feet.	
<b>AMPELOPSIS VEITCHII (Boston Ivy).</b>		Single, Fine Mixed .....	.10
The best hardy vine for covering brick or stone buildings, etc.; foliage turning to scarlet in the autumn. ....	.10	Double, Fine Mixed .....	.10
		Cup and Saucer.	
<b>ARABIS.</b> One of the earliest spring flowers. The spreading silver green tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Valuable for edging and rockeries. Height 6 inches. ...	.10	Blue .....	.10
Alpina Flore-pleno. A distinct double flowering form. In some gardens mats nearly a yard long hang from cliff-like rocks. ....	.10	Rose .....	.10
		White .....	.10
<b>AQUILEGIA (Columbine).</b> The aquilegia is one of our late spring and early summer flowering perennials. It will thrive in a semi-shaded position and since columbine do not divide easily it is better to raise new plants from seed.		Choice Mixed .....	.10
Rock Mt. Blue .....	.10	<b>DELPHINIUM (Hardy Larkspur).</b>	
Chrysanth, Pale yellow long-spurred flowers .....	.10	Formosum. Deep blue, 3 feet .....	.10
Single, Mixed Colors .....	.10	Double Hybrids, Finest Mixed, 3 feet ....	.10
Long Spurred, Double, Mixed Colors .....	.10		
		<b>DIANTHUS (Hardy Garden Pinks).</b>	
		Double Clove. A hardy perennial pink, very fragrant, choice colors. ....	.10
		Plumarius (Grass Pink, or Pheasant-eye Pink). A single hardy Pink with fringed-edged, fragrant flowers, mixed colors. ....	.10
		<b>EUPHORBIA VARIEGATA (Snow on the Mountain).</b> Variegated green and white foliage. Excellent for bouquets.....	.10
		<b>FORGET-ME-NOT. (Myosotis.)</b> Small star-like flowers borne in clusters. The plant is of easy culture and blooms the first year if seed is sown early. 4 to 9 inches.	
		Indigo Blue. Large, dark blue flowers. ...	.10
		Victoria. Large flowers, bright azure blue; dwarf habit; fine for borders. ....	.10
		Fine Mixed .....	.10





## Hardy Perennials and Biennials—Continued



GAILLARDIA

Per Pkt.  
**HOLLYHOCK.** The aristocrat of the garden.

Plants of upright, stately growth, 5 to 8 feet high. The double varieties are the most desirable although those interested in the old-time gardens prefer the single variety. The hollyhocks are very effective when planted in long rows with a background of shrubbery.

**Chater's Double Varieties**

Peach Blossom .....	.10
White .....	.10
Newport Pink .....	.10
Shell Pink .....	.10
Red .....	.10
Yellow .....	.10
Mixed .....	.10

**Imperator**, flowers 5 to 6 inches, frilled and fringed, with double center rosette about 3 inches across.

**Imperator, Exquisite Claret Red** ..... .10

**Double Imperator** ..... .10

**HONESTY (Satin Flower).** The flat, silvery seed pods are used for winter decoration. Very handsome, free-flowering. Hardy biennial. 2 feet. .... .10

**IBERIS (Perennial Candytuft).**

**Sempervirens.** Pure white; excellent for cemeteries, rockeries, etc.; 1 foot. .... .15

**Kudzu Vine or Jack-and-the-Bean Stalk.** A fast growing hardy perennial vine, growing 8 to 10 feet the first year from seed. The foliage is large; it bears clusters of pea-shaped flowers. .... .10

**LAVENDULA vera.** (Sweet Lavender) grown chiefly for lasting fragrance of its flowers. .... .10

**LILIUM REGALE.** One of the most beautiful garden lilies. The flowers are white, slightly suffused with pink, with beautiful shade of yellow at the center. The perfume reminds one of the Jasmine. Plant seeds in boxes in April, and then lift in the fall; and store in cellar until spring. Now plant in permanent position. Very hardy. .... .15

**LINUM (Flax).**

**Perenne.** Bright blue flowers, hardy. 2 ft. .10

**LUPINUS (Lupin).** Beautiful hardy plants for borders, beds and for cutting, 3 ft.

**Polyphyllus Blue** ..... .10

**Polyphyllus Roseus.** Pink ..... .10

**Polyphyllus White** ..... .10

**Polyphyllus Mixed** ..... .10

Per Pkt.  
**FOXGLOVE (Digitalis).** The Foxgloves are highly ornamental plants. They are fine for the mixed border or planted singly in half-shady places near a walk or drive. The spikes of flowers are often two feet in length, containing scores of the pretty-spotted, thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired.

**Mixed varieties** ..... .10

**FRENCH HONEYSUCKLE (Hedysarum).** Very handsome free-flowering plants; well adapted for borders or rock-work. 4 feet.  
**Scarlet** ..... .10

**GAILLARDIA.** Showy and hardy perennials, flowering from July to October. 2 feet.

**Grandiflora Hybrida. Finest Mixed.** .... .10

**GYPSOPHILA. (Baby's Breadth.)** Free-flowering plants, succeeding in any garden soil. Fine for bouquets.

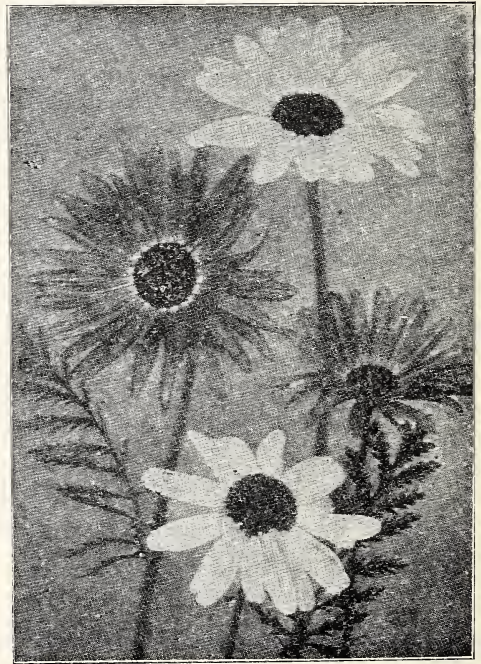
**Paniculata. White flowers** ..... .10

**Paniculata. Double white** ..... .20



# Hardy Perennials and Biennials—Continued

	Per Pkt.		Per Pkt.
<b>MECONOPSIS BAILEYI</b> (The beautiful Thibetan Poppy). One of the finest introductions in recent years. It is a graceful plant and throws up from its root stock leafy stems two to three feet high, well furnished with downy pale green leaves and bearing large brilliant blue pendent flowers, the effect of which is enhanced by a central zone of golden yellow anthers. Thrives best in a shaded position. Seed is very slow in starting, and six months may elapse before seedlings appear. Plant in woods soil. Is perfectly hardy. Beautiful for a wild planting. ....	.15	<b>SWEET ROCKET</b> . Very fragrant, growing freely in ordinary soils, 2 ft. <b>Mixed</b> . Purple and white. ....	.10
<b>PHLOX</b> (Decussata). Hardy plants producing large heads of showy flowers, 3 ft. <b>Mixed Colors</b> .....	.10	<b>SWEET WILLIAM</b> . An old-fashioned plant, producing large heads of beautifully colored, sweet-scented flowers. It is hardy and easily grown. 1½ feet.  <b>Holborn Glory</b> . Large flowers of the most beautiful shades. ....	.10
<b>POPPY</b> (Papaver). <b>Orientele</b> . One of the most striking and showy of the garden perennials; flowers large brilliant crimson with a black blotch on each petal. ....	.10	<b>Pink Beauty</b> . Rose pink. ....	.10
<b>Iceland</b> . Brilliant colors. Blooms first year from seed. ....	.10	<b>Double Varieties</b> . Mixed. ....	.10
<b>POLYANTHUS</b> (Primula Elatior). Early spring free-flowering plants, fine for either pot or outdoor culture; 9 inches. <b>Choice Mixed</b> .....	.10	<b>Finest Single Mixed</b> . ....	.10
<b>PHYSALIS</b> (Chinese Lantern Plant). An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets. ....	.10	<b>VIOLA CORNUTA</b> . Tufted Pansies. Attractive, free-blooming plants with good-sized flowers in many shades. Blooms during summer. <b>Mixed</b> .....	.10
<b>PYRETHRUM HYBRIDUM</b> (Painted Daisy). Hardy perennial, bearing large Daisy-like flowers, ranging in color from white to deep red, with bright yellow centres. ....	.10	<b>VIOLET</b> . Fragrant, spring-blooming plants. <b>The Czar</b> . Large dark blue. ....	.10
<b>RUDBECKIA</b> (Cone-Flower). Robust-growing plants, very popular for border decoration. <b>Newmanii</b> . Golden yellow with black center. ....	.10	<b>VERBENA VENOSA</b> . A hardy garden Verbena of spreading habit. Large purplish blue flowers borne throughout the summer and fall. People visiting some of the famous gardens in France have been impressed by a sea of purplish-blue flower beds. It is this lovely hardy verbena. Height 18 inches. ....	.10
<b>STATICE</b> (Sea Lavender). Beautiful hardy perennial, free flowering and of easy culture in poor soils and dry situations; very showy in beds or borders, and remain a long time in bloom; when dried can be used in winter bouquets. <b>Choice Mixed</b> .....	.10		



PYRETHRUM HYBRIDUM (Painted Daisy)





## ROCK GARDEN FLOWER SEEDS

For the convenience of our customers we have grouped together a collection of twelve varieties of the very popular Rock Garden Seeds.

	Per Pkt.		Per Pkt.
<b>ALYSSUM (Saxatile Compactum).</b> Early Flowering; bright golden yellow; 1 foot. .	.10	<b>GYPSOPHILA (Repens Rose).</b> Rock plant covered with rose colored flowers. . . . .	.15
<b>AQUILEGIA (Long Spurred Hybrids).</b> Flowers of many rich and varied colors; 2 feet. . . . .	.10	<b>GEUM (Lady Stratheden).</b> Beautiful hardy perennials bearing large, golden yellow flowers all through the summer; 18 inches. .	.25
<b>CERASTIUM (Biebersteini).</b> Dwarf, white leaved plant with white flowers; 4 inches. .	.15	<b>LINARIA.</b> An excellent perennial, often grown as an annual, with bright green leaves and attractive small lilac-blue flowers. . . . .	.15
<b>DELPHINIUM (Blue Butterfly).</b> Beautiful blue variety of compact growth, blooms the first year if sown early; 18 inches. . . .	.15	<b>OENOTHERA.</b> Large, bright yellow flowers; 4 inches. . . . .	.15
<b>DIANTHUS (Deltoides).</b> Dwarf; brilliant carmine flowers; 10 inches. . . . .	.15	<b>SAPONARIA (Ocymoides).</b> A splendid plant for the rockery; rose colored flowers; 9 inches. . . . .	.15
<b>GYPSOPHILA (Repens White).</b> A fine rock plant covered with tiny white flowers; 8 inches. . . . .	.15	<b>STATICE (Latifolia).</b> Large lavender-blue flowers; 18 inches. . . . .	.10

## "A. S. L." CHOICE GLADIOLUS

All Strictly First Size Bulbs

Our famous collection of Twelve  
Named Gladoli

### HERADA

The color is a rich velvety, dark purple-violet. The only gladiolus of this color.

### PRIDE OF LANCASTER

A decidedly showy variety, the color being a clear rich orange-red.

### PEACE

A very strong healthy grower. The flowers, as the name implies, are pure white.

### MRS. FRANCIS KING

One of the most popular. The spike grows tall and the flowers are a rich flame-red.

### MRS. FRANK PENDLETON, JR.

A very beautiful gladiolus—combining the beauty of the apple blossom and the rose.

### HALLEY

One of the very earliest, yet the spikes are tall producing large sized flowers of delicate salmon-pink shades.

### GOLDEN GATE

A very large variety. If given good care the bulbs will produce wonderful canary-yellow blooms.

### MRS. KEUR

A bulb produced originally in Holland. The flower—deep rose color with a golden-yellow blotch—very unique and beautiful.

### CRIMSON GLOW

A rapid and easy grower. Color—rich, dark maroon with purplish markings.

### LE MARECHAL FOCH

Very large flowers of lovely shell pink. One of the finest of recent introduction.

### NORA

The best blue Gladiolus! It is very striking and beautiful.

### MRS. WATT

A variety admired by all flower lovers. It is a glowing American Beauty Rose color. The flowers opening at about the same time make it a most desirable sort.



Price: Any of above 5c each, 50c doz., \$4.00 per 100 Post Paid

# INSECTICIDES AND FUNGICIDES

## Spraying and Dusting Equipment

In this department we aim to supply every need of the farmer, orchardist, market and home gardener.

As we are agents for the well-known Niagara Sprayer and Chemical Company, the largest manufacturers in this country of dusts and dusters, their knowledge and experience is absolutely at your disposal.

Come to us with your problems! We have a dust or spray for every emergency.

ALLEN, STERLING & LOTHROP

# Niagara

## DUSTS and DUSTERS

**Niagara Arsenate of Lead.** (Dry.) Used either as a spray or dust for all leaf-chewing worms and insects. It will not burn or injure your crop.  
1 lb. 25c., 4 lbs. 80c.

**Niagara Powdered Arsenate of Calcium.** Especially valuable as a spray to control the "potato bug." Contains more than 40 per cent. of arsenic oxide, and therefore has a killing efficiency surpassed only by Paris Green.  
1 lb. 20c., 4 lbs. 65c.

**Niagara Dry Lime Sulphur.** A finely powered, wettable sulphur used in spraying to control apple scab, etc. Mixes readily with water. Conveniently packed.  
1 lb. 30c., 5 lbs. \$1.25.

In larger quantities, write for price.

**Niagara Kolodust.** The Exclusive NIAGARA Dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants.  
100 lb. bag ..... \$5.20

**Niagara Duo-Bordo.** Consists of lime and bluestone all weighed out in 5 lb. bags for making fresh Bordeaux Mixture instantaneously right in the spray tank. A package each of chemical lime and finely ground bluestone so processed as to be instantly soluble. Directions for mixing on packages. Makes a real Bordeaux Mixture—every membrane gelatinous. Ask for circular. Packed in 50 lb. cartons—consisting of 5 bags of bluestone and 5 bags of lime—enough for 250 gals. spray.  
Price per 50 lb. carton ..... \$4.00

**Niagara Koloform.** The New Exclusive NIAGARA Summer Sulphur Spray Material that has the greatest toxicity to disease of any Sulphur Spray Compound, used for the control of diseases only in summer spraying. Carton contains eight 7½ lb. bags.  
60 lb. carton ..... \$3.85  
7½ lb. bag ..... .65

**Emulso (A Niagara Product.)** Emulso is a typical Large Drop, Mechanical Type Oil Emulsion made from especially selected oils, using an exclusive Emulsifying Agent and stabilized to insure its not breaking down in shipping and storage.

Packed in	Price per gal.
50 gal. bbls. ....	\$ .40
30 gal. steel drums .....	.45
10 gal. cans .....	.80
5 gal. cans .....	.95
1 gal. cans .....	1.25

**Niagara Kolokil.** The Exclusive NIAGARA Sulphur and Poison Dust containing extra large percentage of Arsenate of Lead. This material is used wherever extra heavy ravages of chewing insects prevail; also in controlling such diseases as may be present.  
100 lb. bag ..... \$7.35

**Niagara A-1 Mixture.** A three per cent. nicotine contact dust for use in controlling insects such as aphids, red bugs, pear psylla, etc.  
Per 100 lbs. .... \$15.50

**Niagara D-6 Mixture.** A bordeaux dust containing 20% monohydrated copper for use in controlling all forms of fungous disease such as blight, rust, mildew, black spot, etc.  
Per 100 lbs. .... \$8.00

**Niagara D-18 Mixture.** A combined fungicide and insecticide containing 20% monohydrated copper sulphate and 10% lead arsenate. Should be used whenever insects are present.  
Per 100 lbs. .... \$9.00

**Niagara D-20 Mixture.** Same as the D-18 Mixture except containing higher content of copper and poison.  
Per 100 lbs. .... \$10.00

**Niagara "Six Little Dusts."** For the small garden, in convenient 1 lb. cans. Per can  
No. 1. Entodust. Controls plant eating insects. \$ .40  
No. 2. A-1 Dust. Controls sucking insects. .... .60  
No. 3. D-6 Dust. Controls blight, mildew, fungus troubles. .... .45  
No. 4. Pomodust. Controls rose bush troubles.. .35  
No. 5. D-20 Dust. Insecticide and Fungicide for vegetables. .... .50  
No. 6. All-in-one. General dust. .... .60

Write us for The Niagara Garden Police Book



## INSECTICIDES AND FUNGICIDES—Continued

*Magara***POMO-GREEN  
with Nicotine****The Leaf Green ALL-  
IN-ONE Dust or Spray**

A complete insecticide and fungicide combined has been in demand by the public for years. At last we have a single all-purpose dust and spray which we can recommend without reservation, with the extra advantage that because of its color it is practically invisible. It can be used effectively against both chewing and sucking insects (Aphis) and will positively control most of the diseases of flowering plants and shrubs. Highest rating given in tests

conducted by American Rose Society.

Price 1 lb. can ..... \$ .75

Price 5 lb. can ..... 3.00

**ANTROL****KILL ANTS IN THEIR NESTS**

The Antrol system is adapted to any sixe house or garden, and quickly destroys all species of sweet-eating ants. It is composed of small glass containers partially filled with syrup, and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

Prices—Antrol sets containing 4 containers and 1-4 oz. bottle of syrup, 95c.; Antrol extra containers (each) 15c.; Antrol syrup, 4 oz. bottles, 45c.; pints, 95c.; gals. \$3.75.



**Anti-Ant.** Anti-Ant calls ants to a banquet—of death. Eagerly they eat it and then as Anti-Ant gets in its deadly work they scurry home to die. Anti-Ant is safe for domestic animals and human beings.

2 oz. can ..... \$ .25

8 oz. can ..... 1.00

**Black Leaf 40.** (Nicotine Sulphate.) Highly recommended by spraying experts for destroying all sucking and many chewing insects.

1 oz. 35c., 1 lb. \$2.25, 2 lbs. \$3.35, 10 lbs. \$10.75.

**Bordeaux Mixture, Dry.** Can be used either dry as a dust or mixed with water as a spray for all fungous diseases. 1 lb. to 5 gals. of water.  
1 lb. 30c., 4 lbs. 85c.

**Bug Death.** A non-poisonous powder. Destroys potato, squash, and cucumber bugs, currant and tomato worms; safe to handle. Contains no Paris Green or Arsenic. Apply dry or in water.  
10 oz. pkge. 25c.

**Carbola.** A combined disinfectant and paint, or white-wash. One pound paints and disinfects 250 square feet.  
5 lbs. 75c., 10 lbs. \$1.25, 25 lbs. \$2.75, 50 lbs. \$5.00.

**Copper Sulphate.** For making home-made bordeaux mixture for fungicide purposes. Write for price.

**Dolge Liquid Weed Killer.** Destroys weeds in paths, roads and gutters. Dilute 1 part Weed Killer to 40 parts of water and apply with sprinkling can or cart.  
1 qt. can 75c., 1 gal. can \$2.00, 5 gal. can \$6.50.



A non-poisonous insecticide that is as equally efficient in both the flower and vegetable garden. Destroys a great number of both chewing and sucking insects without danger of burning the plants.

1 oz. bottle 35c., 6 oz. bottle \$1.00, 16 ozs. \$2.00, 32 ozs. \$3.50, gallon \$11.50.

**Hellebore (Powered).** Safe to use when fruit or vegetables are nearly ripe. Used largely for cabbage and currant worms, can be used as a powder or dissolved.  
½ lb. 25c., 1 lb. 45c.

**Nico-Fume (Tobacco Powder).** For fumigating green-houses.  
5 lb. can \$3.50, 10 lb. can \$6.15.

**Nico-Fume (Liquid).** Used as a spray or as a vapor. Does not stain nor injure blooms.  
1 lb. can \$2.00, 4 lb. can \$5.85, 8 lb. can \$10.85.

**Paris Green.** Used for potato Bugs. ½ lb. 30c., 1 lb. 45c.

**SNAROL****QUICKLY KILLS GARDEN PESTS**

**Cutworms, Sowbugs, Grasshoppers, Slugs, Snails, Earwigs, Etc., Are Exterminated**

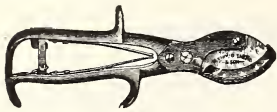
Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.



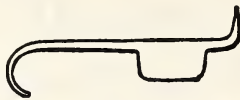
Snarol will not deteriorate from rain or sprinkling, and also is non-injurious to vegetation when used according to simple directions.

Prices—1½ lb. packages, 45c., 4 lb. packages, 95c., 15 lb. bags, \$3.50, 50 lb. bags, \$9.50.

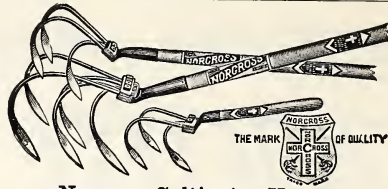
**Volck.** A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects but also acts as a repellent.  
\$3.00 per gal.



Pruning Shears



Grafting Chisel



Norcross Cultivator Hoes



Potato Hook



Shovel



Wood Lawn Rake



Haseltine Weeder



Excelsior Weeder



Asparagus Knife



Spading Fork



Scuffle Hoe



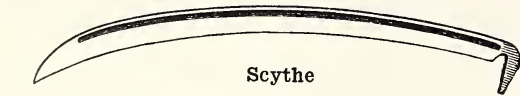
Manure Fork



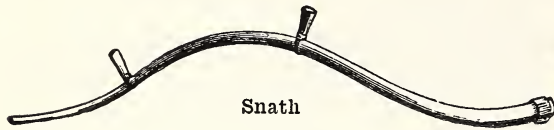
Trowel



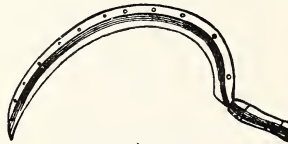
Garden Hoe



Scythe



Snath



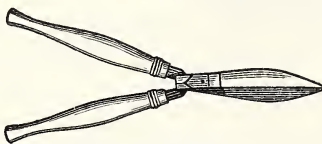
Grass Hook



Edging Knife



Garden Line Reel



Hedge Shears



Hay Fork



Garden Rake



Garden Line



Wire Fruit Picker

**Asparagus Knife**

Made of Solid Steel. Goodell Double Point, P. P. Weight 1 lb...40c.

**Edging Knife**

Long handle .....\$1.15  
D handle ..... 1.35

**Forks**

Manure, 4 Tine D Handle .. \$1.85  
5 Tine D handle..... 2.00  
6 Tine D handle ..... 2.30  
Hay, 3 Tine (all lengths of handle) .....\$1.75  
Spading, 4 Tine D handle....\$2.00  
4 Tine long handle ..... 1.60

**Fruit Picker**

..... 60c.

**Grafting Chisel**

Made from the finest cast steel. 75c.

**Grafting Wax (Trowbridge)**

The best on the market. ¼ lb. pkg. 15c., ½ lb. pkg. 25c., 1 lb. pkg. 45c.

**Garden line**

Italian Hemp, 100 feet .....\$1.50

**Grass Hooks**

Meadow King .....35c.  
Nolan .....85c.

**Hoes**

8 in. Meadow .....\$1.25  
9 in. Meadow ..... 1.35  
Warren ..... 1.25  
Onion ..... 1.20  
Boys' ..... 1.00  
Ladies' ..... .85

**Potato Hooks**

5 Tine .....1.45  
6 Tine ..... 1.60

**Pruning Saws**

Disston No. 9 .....\$2.25  
Disston No. 15 ..... 3.00

**Rakes—Steel—Garden**

12 Tooth .....\$1.15  
14 Tooth ..... 1.25  
16 Tooth ..... 1.35  
Wood—Lawn ..... .90  
Wood—Hay ..... .75

**Scythes**

Grass .....\$1.75  
Bush ..... 1.75

**Scythe Snaths**

Regular .....\$1.50  
Bush ..... 1.75

**Shears, Pruning**

Taylor Pattern, with coil spring, 9 inches ..... \$0.50  
California Pattern, with volute spring, 9 inches ..... .75  
Swiss Pattern, polish, 9 inches 1.75

**Shears, Grass**

True Vermonter ..... \$1.25  
No. 263 ..... .50  
No. 19—Cronk ..... 1.75  
Goodwin ..... 2.00

**Shears, Hedge**

9 inch notched .....\$2.75  
6 inch ladies' ..... 2.00

**Scuffle Hoes**

8 inch blade ..... \$1.25

**Trowels**

No. 25 Eagle .....15c.  
No. 809 Solid Steel .....25c.  
No. 100 Socket Pattern .....40c.  
Keystone 6 inch .....75c.

**Weeders**

Excelsior .....20c.  
Haseltine .....50c.  
Midget Norcross. Short handle for hand work .....40c.  
3-Prong Norcross ..... .75  
5-Prong Norcross ..... 1.00  
Diamond ..... .25



# PLANTING TABLE

Quantity of Seeds or Number of Plants Required for a Row 100 Feet in Length, with Distance to Plant and Time for Planting

Kind of Vegetable	Seeds or Plants Required for 100 feet of Row	Distance for Plants to Stand Hand Cultivation		Depth of Planting	Time of Planting in Open Ground	Ready for Use After Planting
		Rows Apart	Plants Apart in Rows			
Asparagus, seed	1 ounce	1 to 2 ft.	3 to 5 in.	1 to 2 in.	Early Spring	3 to 4 years
Asparagus, plants	60-80 plants	12 to 24 in.	15 to 20 in.	3 to 5 in.	Early Spring	2 to 3 years
Beans, bush	2 pounds	18 to 24 in.	3 to 4 in.	1 to 2 in.	April to July	40 to 65 days
Beans, pole	1 pound	3 to 4 ft.	3 to 4 in.	1 to 2 in.	May and June	50 to 80 days
Beets	2 ounces	12 to 18 in.	5 or 6 to ft.	1 to 2 in.	April, May and June	90 to 120 days
Cabbage early	½ ounce	24 to 30 in.	12 to 18 in.	½ in.	April and May. (Start in hot-bed during March)	90 to 130 days
Cabbage, late	½ ounce	24 to 36 in.	16 to 24 in.	½ in.	May and June	90 to 130 days
Carrot	1 ounce	18 to 24 in.	6 or 7 to ft.	½ in.	April to June	75 to 110 days
Cauliflower	½ ounce	24 to 50 in.	14 to 18 in.	½ in.	April to June. (Start in hot-bed during March)	100 to 130 days
Corn, sweet	1 pound	30 to 36 in.	30 to 36 in.	1 to 2 in.	May and June	90 to 120 days
Cress	½ ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	March to May. April to June.	30 to 40 days
Cucumber	½ ounce	4 to 6 ft.	4 to 6 ft.	1 to 2 in.	May to July	80 to 100 days
Endive	1 ounce	18 in.	8 to 12 in.	½ in.	May	90 to 110 days
Kohl-rabi	½ ounce	18 to 24 in.	4 to 8 in.	½ in.	April to June	60 to 90 days
Lettuce	½ ounce	12 to 18 in.	4 to 6 in.	½ in.	April to August	60 to 90 days
Melon, muskmelon	1 ounce	6 to 8 ft.	Hills 6 ft.	1 to 2 in.	May and June	120 to 150 days
Melon, watermelon	1 ounce	8 to 12 ft.	Hills 10 ft.	1 to 2 in.	May and June	100 to 120 days
Mustard	½ ounce	12 to 18 in.	4 or 5 to ft.	½ in.	April and May	60 to 90 days
Onion, seed	1 ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	April and May	130 to 150 days
Onion, sets	1 quart of sets	12 to 18 in.	4 or 5 to ft.	1 to 2 in.	March to May	90 to 120 days
Parsley	1 ounce	12 to 18 in.	3 to 6 to in.	¼ in.	Early spring	90 to 120 days
Parsnip	1 ounce	18 to 24 in.	5 or 6 to ft.	½ to 1 in.	April and May	125 to 160 days
Peas	2 pounds	30 to 36 in.	15 to ft.	2 to 3 in.	March to July	60 to 90 days
Pepper	½ ounce	18 to 24 in.	15 to 18 in.	½ in.	May and June	100 to 120 days
Potato, Irish	5 lbs. (or 9 bu. per acre)	24 to 36 in.	14 to 18 in.	4 in.	April to June	80 to 140 days
Pumpkin	1 ounce	8 to 12 ft.	Hills 8 to 12 ft.	1 to 2 in.	May to July	100 to 140 days
Radish	1 ounce	12 to 18 in.	8 or 12 ft.	½ to 1 in.	March to September	20 to 40 days
Rhubarb, plants	33 plants	3 to 5 ft.	3 ft.	2 to 3 in.	Early spring	1 to 3 years
Rutabaga	1 ounce	18 to 24 in.	6 to 8 in.	½ in.	May and June	60 to 80 days
Spinach	2 ounces	12 to 18 in.	7 or 8 to ft.	1 to 2 in.	September or early spring	40 to 60 days
Squash, bush	1 ounce	3 to 4 ft.	Hills 3 to 4 ft.	1 to 2 in.	May and June	70 to 90 days
Squash, late	1 ounce	7 to 10 ft.	Hills 7 to 9 ft.	1 to 2 in.	May and June	120 to 160 days
Turnip	1 ounce	18 to 24 ft.	6 or 7 to ft.	¾ to ½ in.	May to July	60 to 80 days

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE

Barley, broadcast	2 to 3 bush.	Onion Sets, in drills	8 bush.
Beans, Dwarf, in drills	1 ¼ bush.	Parsnip, in drills	5 lbs.
Beans, Pole, in hills	10 to 12 qts.	Peas, Canada field, broadcast	120 to 150 lbs.
Beets, Table, in drills	6 lbs.	Peas, Canada field, with oats	75 to 90 lbs.
Beets, Mangel-Wurzel	6 lbs.	Peas, cow, broadcast	60 to 75 lbs.
Buckwheat	1 bush.	Peas, cow, in drills	45 to 60 lbs.
Cabbage, in beds to transplant	¼ lb.	Potatoes (Cut Tubers)	10 bush.
Carrot, in drills	3 to 4 lbs.	Pumpkins, in hills	4 lbs.
Clover, Alsike, alone	5 to 6 lbs.	Radish, in drills	8 lbs.
Clover, Alsike, in mixture	2 to 4 lbs.	Rye, broadcast	1 ½ bush.
Clover, Crimson	12 to 15 lbs.	Rape, broadcast	6 to 8 lbs.
Clover, Red, alone	8 to 12 lbs.	Rape, in drills	4 to 5 lbs.
Clover, Red, in mixture	4 to 6 lbs.	Sage, in drills	8 lbs.
Clover, Sweet, unhulled	25 to 30 lbs.	Spinach, in drills	10 lbs.
Clover, White	4 to 8 lbs.	Squash (Bush Varieties), in hills	2 lbs.
Clover, Lucerne or Alfalfa	20 lbs.	Squash (Running Varieties), in hills	4 lbs.
Corn, Sweet, in hills	10 qts.	Soy Beans, broadcast	60 to 90 lbs.
Corn, for ensilage	16 qts.	Soy Beans, in drills	30 to 45 lbs.
Cucumber, in hills	2 lbs.	Soy Beans, in drills with corn	15 to 20 lbs.
Grass, Kentucky Blue	42 lbs.	Sunflower	6 to 8 lbs.
Grass, Orchard	22 lbs.	Tomato, to transplant	¼ lb.
Grass, Red Top (Recleaned)	6 lbs.	Turnip, broadcast	2 lbs.
Grass, Timothy	½ bush.	Turnip, in drills	1 ½ lbs.
Grass, Hungarian	1 bush.	Vetch, Hairy, drilled (plus 1 bu. small grain)	40 to 50 lbs.
Grass, Lawn	75 lbs.	Vetch, Hairy, broadcast plus 1 bu. small grain)	50 to 60 lbs.
Melon, Musk, in hills	2 to 3 lbs.	Vetch, Spring, plus 1 bu. small grain	80 lbs.
Melon, Water, in hills	4 to 5 lbs.	Wheat, broadcast	1 ½ to 2 bush.
Millet, Japanese	20 lbs.		
Millet, Golden	1 bush.		
Oats, broadcast	2 to 3 bush.		
Onion, in drills	5 lbs.		



EARLY WONDER BEET